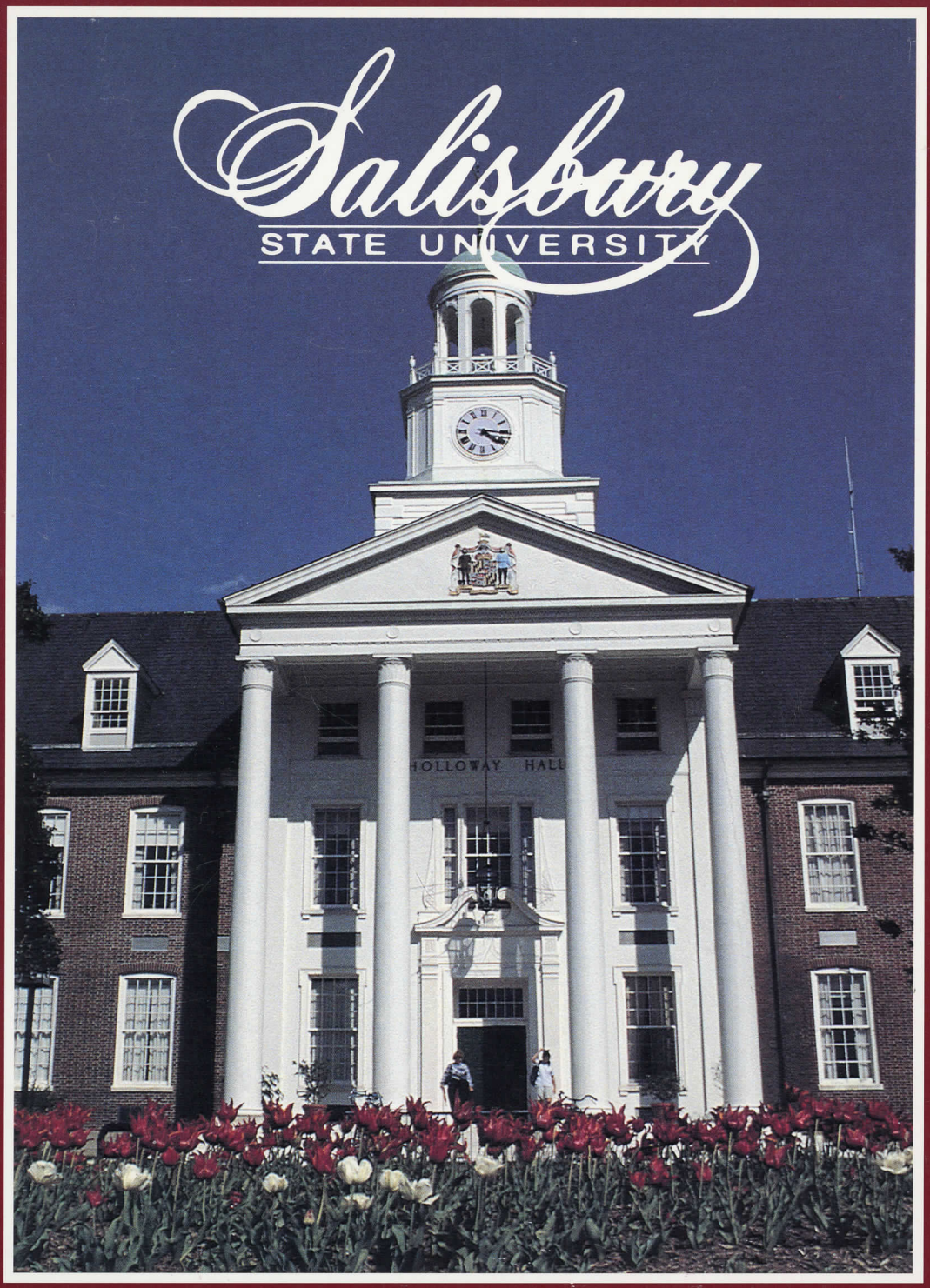

UNDERGRADUATE CATALOGUE

1996-98

Salisbury State University

1996-1998
Undergraduate Catalogue

Salisbury, Maryland 21801-6860

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General Information

Mailing Address

Salisbury State University
1101 Camden Avenue
Salisbury, Maryland 21801-6860

Specific correspondence should be addressed as follows:

Admission ..... Dean of Admissions
Transcript of Record ..... Registrar
Business Matters ..... Vice President of Business and Financial Affairs
General Matters ..... Director of Public Relations
Graduate Admission ..... Dean of Admissions
Summer Session/Winter Term ..... Registrar

Information about Salisbury State University, including a colorful photo tour, is available on the University's home page at the following Web site: http://www.ssu.umd.edu.

Telephone Number

(410) 543-6000 FAX (410) 543-6068
TTY (410) 543-6083

Catalogue Notice

This catalogue is a guide for information and not a contract. The University reserves the right to change requirements for degrees, prerequisites, fees, scheduling and related matters. All changes are implemented so that new curricular requirements will not work hardships on students who have entered under an earlier set of requirements. The *Schedule of Semester Course Offerings*, published biannually by the Office of the Registrar, provides the official list of University course offerings.

Family Educational Rights And Privacy Act

Under the provisions of the Family Educational Rights and Privacy Act, SSU provides student directory information without prior consent of students. Directory information includes a student's name, local address (if listed), date and place of birth, major fields of study, participation in officially recognized activities and sports, weight and height (of an athletic team member), dates of attendance, degrees and awards received, and most recent previous educational agency or institution attended, as well as a listing of officers of student organizations (including names and addresses).

Students who want more or less than directory information released should notify the Dean of Students Office, Guerrieri University Center.

University Calendar

The University calendar is published each semester in the *Registration Bulletin*. A two-year calendar is available from the Office of Academic Affairs.

Equal Opportunity Policy

Salisbury State University provides equal employment and educational opportunities without regard to race, color, religion, national origin, sex, age, marital status or handicap as required by Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and other equal opportunity regulations. The University makes all decisions regarding employment—including recruitment, hiring, promotion and all other terms and conditions of employment—without discrimination. Inquiries should be directed to the Affirmative Action Officer, Salisbury State University, 1101 Camden Avenue, Salisbury, MD 21801. Telephone (410) 543-6025.

Accreditations

Salisbury State University is accredited by the following groups and organizations:

American Assembly of Collegiate Schools of Business
American Chemical Society
American Medical Association Committee on Allied Health Education and Accreditation
Council on Social Work Education
Middle States Association of Colleges and Schools
National Accrediting Agency for Clinical Laboratory Sciences
National League for Nursing

Designations

Salisbury State University has the following designations:

Maryland State Publications Depository
Serviceman's Opportunity College
U.S. Government Selective Document Depository
American Association of Botanical Gardens and Arboreta

Memberships

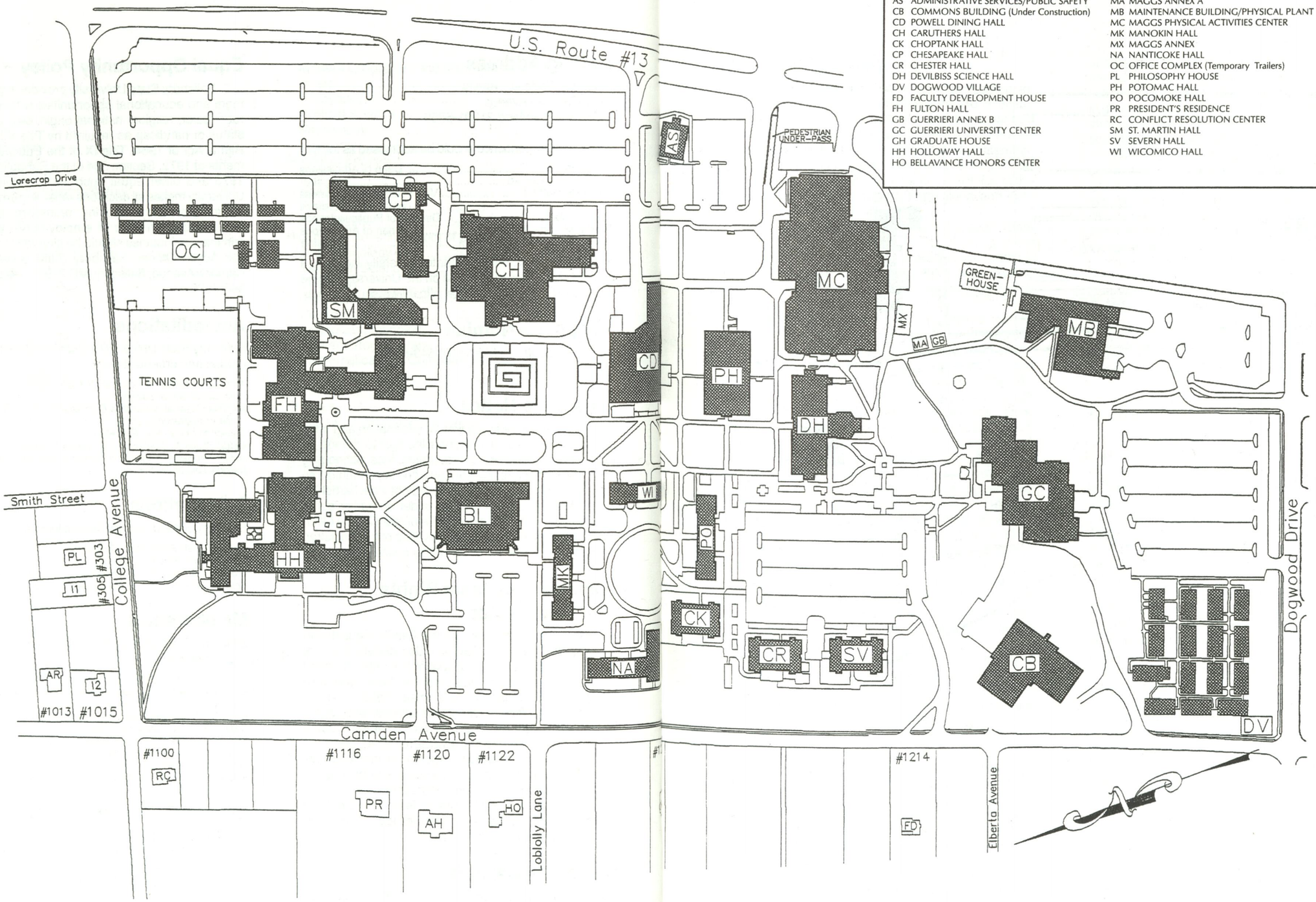
Salisbury State University is a member of the following organizations:

American Association for Higher Education
American Association of State Colleges & Universities
American Council on Education
American Educational Research Association
College Entrance Examination Board
North Eastern Association of Graduate Schools
Council on Social Work Education
American Association of Colleges of Nursing
American Association of Colleges for Teacher Education

University of Maryland System

Salisbury State University is a member of the University of Maryland System, which is comprised of 11 campuses, about 70 centers and institutes, and three other research and public service institutes.

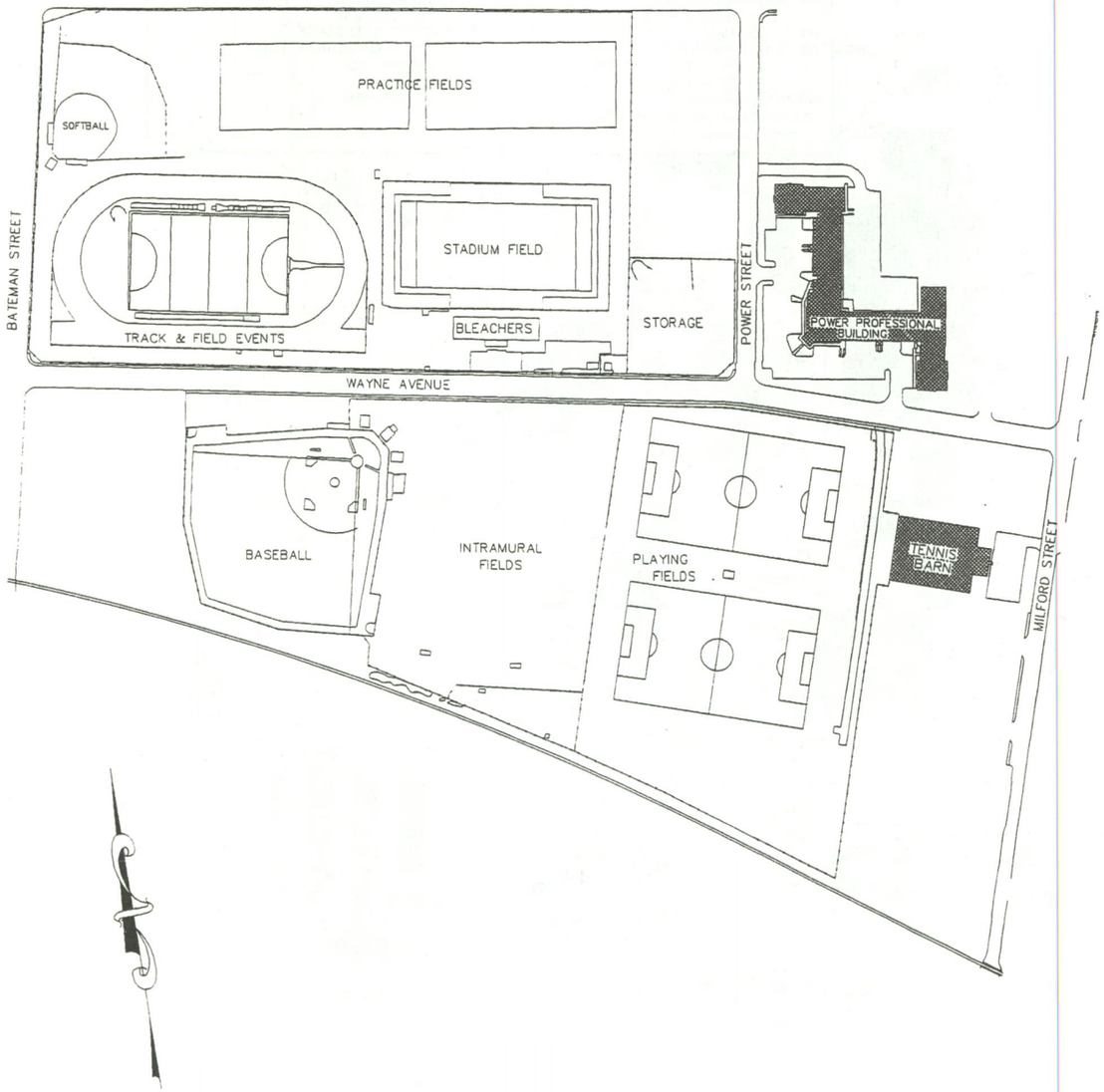
Campus Map



MAIN CAMPUS

AH ALUMNI HOUSE
AR ADMINISTRATIVE RESIDENCE
AS ADMINISTRATIVE SERVICES/PUBLIC SAFETY
CB COMMONS BUILDING (Under Construction)
CD POWELL DINING HALL
CH CARUTHERS HALL
CK CHOPTANK HALL
CP CHESAPEAKE HALL
CR CHESTER HALL
DH DEVILBISS SCIENCE HALL
DV DOGWOOD VILLAGE
FD FACULTY DEVELOPMENT HOUSE
FH FULTON HALL
GB GUERRIERI ANNEX B
GC GUERRIERI UNIVERSITY CENTER
GH GRADUATE HOUSE
HH HOLLOWAY HALL
HO BELLAVANCE HONORS CENTER
I1 INTERNATIONAL HOUSE #1
I2 INTERNATIONAL HOUSE #2
MA MAGGS ANNEX A
MB MAINTENANCE BUILDING/PHYSICAL PLANT
MC MAGGS PHYSICAL ACTIVITIES CENTER
MK MANOKIN HALL
MX MAGGS ANNEX
NA NANTICOKE HALL
OC OFFICE COMPLEX (Temporary Trailers)
PL PHILOSOPHY HOUSE
PH POTOMAC HALL
PO POCOMOKE HALL
PR PRESIDENT'S RESIDENCE
RC CONFLICT RESOLUTION CENTER
SM ST. MARTIN HALL
SV SEVERN HALL
WI WICOMICO HALL

East Campus



The University

Mission Statement

Salisbury State University is a comprehensive institution of higher learning offering a traditional liberal arts curriculum and a variety of preprofessional and professional programs on both the graduate and undergraduate levels. The following Mission Statement, approved by the faculty and the administration in 1984, expresses the ideals which underlie the service of the University to its students and to the regional and state community of which it is a part.

The faculty and administration of Salisbury State University accept the responsibility of fostering in our students an ability to obtain, understand and accurately assess information and ideas; to think reasonably and independently; and to speak and write intelligently and effectively.

To give focus and direction to the students' courses of study, the University is committed to introducing students to a system of ideas about the nature of humanity, the universe and the world created by art and thought. To this end, the University offers as the cornerstone of learning an integrated curriculum which examines the salient ideas in the humanities, social sciences, natural sciences and mathematics. This curriculum serves students both as the foundation for specialized study and as the source for a set of convictions which can guide the conduct of their lives.

Furthermore, the University assumes that what we teach and how we teach ought to foster in our students a disposition for responsible conduct. As such, we are committed to encouraging attitudes of integrity and fairness, respect for others, dedication to the pursuit of truth and the willingness to uphold and to challenge one's own convictions. It is expected that these attitudes will instill in our students a desire to do things well, to sustain rather than disparage high principles and to participate as informed, committed citizens in the public forum.

The University also assumes the responsibility of preparing students to work confidently and effectively in their chosen careers; to this end we provide practicable counseling and a number of professional and technical degree programs. Career preparation is not the exclusive province of such programs; however, certain attributes—the power to think clearly, judge soundly and communicate effectively, the ability to interact with people in a productive and considerate way, and the capacity to adapt and learn in new and unfamiliar situations—must be learned in all courses. And, most important, we attempt to instill in our graduates a spirit of dedication to their vocations and a sense of service to society.

The University also is committed to graduate study beyond the baccalaureate level. To help graduate students enrich and extend their knowledge and competence in their respective fields of study, the University encourages them to embrace an ethos dedicated to the continuing acquisition of knowledge and the pursuit of the intellectual ideal. We expect those engaged in graduate study to commit themselves to excellence through the consistent exercise of coherent thought, sound judgment and effective communication.

The University recognizes that the students have needs and interests that go beyond the scope of academic life; therefore, we provide additional services and sponsor extracurricular and cocurricular activities consistent with the goals and purposes of the institution. Services that support the physical and mental health of the students—and activities such as student government, athletics and cultural events that enhance their lives—are sponsored by the University as necessary components of the education of the whole person.

Finally, we recognize the important contribution that the University and our faculty make to the local region; therefore, we provide to the surrounding community, when and where feasible, the cultural, social and professional resources of the University.

History

In 1922, the Maryland Legislature established a commission to determine a location for a two-year college on the state's Eastern Shore. A site at Salisbury was selected and the institution opened in September 1925.

The college's two-year course of study was increased to three years in 1931 and to four years in 1934. Following this, and by action of the Legislature of 1935, the College was authorized to grant the Bachelor of Science.

The academic program expanded in 1947 and in 1960, offering four-year programs in arts and sciences, providing students with a Bachelor of Arts or Bachelor of Science. The University continues to meet the increasing demands of society for quality education and today offers a variety of undergraduate programs in liberal arts, sciences and in the professional fields of business administration, education, medical technology, nursing, respiratory therapy and social work.

In 1962, the state board of trustees approved a graduate program leading to the Master of Education, followed with a Master of Arts in English (1974), a Master of Arts in psychology (1975), a Master of Business Administration (1981), a Master of Science with a major in nursing (1982), a Master of Education with a major in public school administration (1994), and a Master of Arts in teaching (1995).

In 1988, the state Legislature approved the name change from College to University. Today, Salisbury State University is a nationally accredited, four-year comprehensive university offering 35 distinct undergraduate and graduate degree programs in a friendly

atmosphere that encourages close relationships between faculty and students.

Location

Salisbury State University is located on U.S. Route 13 at the southern edge of Salisbury, MD, which has a metropolitan population of 70,000 and lies 30 miles west of Ocean City, MD; 115 miles southeast of Baltimore, MD, and Washington, D.C.; 125 miles south of Philadelphia, PA; and 125 miles north of Norfolk, VA.

Organization

Responsibility for the administration of the University is assigned to the president, who is appointed by the University of Maryland System Board of Regents. The president is assisted in the administration of the University by academic, student services and business administrators. Appointments to these positions, to other administrative offices and to the faculty and staff of the University are made by the president.

The Franklin P. Perdue School of Business, the School of Education and Professional Studies, the Charles R. and Martha N. Fulton School of Liberal Arts and the Richard A. Henson School of Science and Technology offer the University's curriculum. School deans, department heads and individual faculty members report to the provost in all matters pertaining to instruction.

The Franklin P. Perdue School of Business includes the faculties of accounting, business administration, economics and management information systems.

The School of Education and Professional Studies includes the faculties of education, military science, physical education and social work.

The Charles R. and Martha N. Fulton School of Liberal Arts includes the faculties of art, communication arts, English, history, liberal studies, modern languages (French, German, Spanish), music, philosophy, political science, psychology and sociology.

The Richard A. Henson School of Science and Technology includes the faculties of biology, chemistry, environmental health, geography and regional planning, mathematical and computer sciences, medical technology, nursing, physics and respiratory therapy.

Facilities

The **Administrative Services Building**, situated at the Route 13 entrance, houses the Administrative Services, Telecommunications, Work Experience and Public Safety offices.

The **Alumni House**, on Camden Avenue opposite the Holloway Hall entrance, serves alumni gatherings and houses the offices of Alumni Relations and Institutional Advancement.

The **Bellavance Honors Center,** on the corner of Camden Avenue and Loblolly Lane, has offices, classrooms and social gathering areas for students enrolled in the Thomas E. Bellavance Honors Program.

Blackwell Library, located near the center of the campus, houses 430,000 items in open stacks, including books, bound periodicals, government documents and a curriculum laboratory. The library subscribes to 1,650 periodicals and has extensive non-book resources including cassettes, filmstrips, microforms and phono recordings.

Caruthers Hall, situated near Route 13 to the right of the University's main entrance, houses the Learning Center; department offices for social work and teacher education; classrooms; faculty offices; a 225-seat auditorium; and the Communications Center, which includes public radio station WSCL.

The **Center for Conflict Resolution**, located on the southwest corner of Camden and College avenues, houses a joint effort between the Wicomico County Board of Education and the University which helps students and community members develop skills for building harmonious relationships among people.

The **Computer Center** is located on the first and second floors of Fulton Hall. The administrative computer system is a Digital Equipment Corporation VAX Cluster. The academic computer system makes on-line terminals and printers available to students in both the Computer Center and Devilbiss Hall. IBM PCs also are available in Devilbiss Hall, and there are three labs in Blackwell Library containing Apple, IBM PC and PC-compatible microcomputers. Available in the Computer Center is a Cal Comp 1041 plotter. Two additional rooms containing microcomputers and terminals are reserved for faculty use. A Scantron Optical Mark Reader for processing examinations, evaluations and surveys is also available.

Devilbiss Science Hall is located at the south end of the campus mall. In addition to 22 classrooms and 27 offices, it contains laboratories for biological sciences, chemistry, geography and physics. Special features in this building are a theatre-lecture hall seating 224 and a greenhouse.

The **Faculty House**, situated on Camden Avenue across from Nanticoke Hall, is a forum for faculty meetings and professional gatherings. A large, partially secluded rear yard is also available for faculty events.

Fulton Hall, the newest academic facility on campus, contains a black box theatre; a photography studio and darkrooms; ceramics, drawing, graphic design, painting and sculpture studios; the faculty offices for the Art, Communication Arts and Music departments; an electronic piano room; practice and listening rooms for music students and orchestra; and choral rehearsal rooms. The departments of Sociology and Political Science, the Computer Center, the dean's office, general purpose classrooms, a lecture hall and the University Gallery are also located in Fulton Hall.

The **Galleries at Salisbury State University** extends the University's cultural commitment to the community. The University Gallery (Fulton Hall) and Atrium Gallery (Guerrieri University Center) comprise a regional, membership-supported free arts resource.

The **Graduate House,** on Camden Avenue across from the residence halls, features seminar rooms, quiet study areas, lounges and a computer room with four computers, modems and a laser printer.

The **Guerrieri University Center**, located on Dogwood Drive, includes a lounge, snack bar, bookstore, meeting rooms, campus post office, commuter and resident mailboxes, games room, service desk, Dean of Students Office, the Center for Personal and Professional Development, the Atrium Gallery, student radio station WSUR and offices of student organizations and

of Minority Affairs. An automated teller machine (ATM) is located just outside the north entrance.

Holloway Hall, the administrative office building of the University, contains most administrative and faculty offices, some classrooms and the Franklin P. Perdue School of Business. Holloway Hall also houses a modern 776-seat auditorium and the Social Room.

The **International House,** adjacent to the campus, serves as the residence for four students and provides a focal point for internationally oriented activities of international and native students, faculty and administrators.

The **International Students' Residence**, on the northeast corner of Camden and College avenues, provides residence-hall-style housing for seven international students and a house manager.

The **Learning Center**, located in Caruthers Hall, provides a range of services for students needing academic assistance including diagnostic testing, individual and small-group tutoring, self-paced learning programs, and formal courses in basic skill areas of reading, writing, mathematics and study techniques. The center is open daily for walk-in or referral visits.

Maggs Physical Activities Center includes a large arena, swimming pool, dance studio, Nautilus room, strength room, classrooms, offices, large multipurpose gymnasium, indoor tennis facility with three tennis courts for recreational and varsity team use, three racquetball courts, varsity and intramural locker rooms, training room, equipment room and reception area.

The **Maintenance Building** houses the Central Stores and the motor pool.

Outdoor Athletics Facilities include a multi-use stadium; varsity fields for baseball, field hockey, soccer and softball; practice fields; an all-weather, 400-meter track; and 12 tennis courts featuring plexi-pave surfaces with six lighted for night play. The baseball diamond features an Astroturf infield, the only one in the state.

The **Philosophy House,** adjacent to campus on College Avenue, is home to the Philosophy Department, a small philosophy library, and classroom and study areas.

Potomac Hall houses classrooms, faculty offices and the Modern Languages Laboratory.

Powell Dining Hall, near the center of the campus, serves approximately 3,500 meals per day in its two diverse settings.

The **Power Professional Building**, located by the athletics fields on the east campus, houses laboratories and offices for medical technology, nursing and respiratory therapy; offices for computer science, mathematics and military science; and the Research Center for Delmarva History and Culture.

The **President's Residence** is situated on a 4 1/2-acre expanse, linked to the Alumni House and Bellavance Honors Center, opposite the Holloway Hall entrance.

The **Research Center for Delmarva History and Culture**, formed by the merger of the Delmarva Historical Archives Center and the Folklore Archives at Salisbury State University, is dedicated to preserving the uniqueness of the history and culture of the Delmarva Peninsula. It is available to students at SSU, other scholars and researchers, and to the community at large. Collections include private papers, letters, diaries, business and land records, oral histories and folklife studies from and about the Delmarva Peninsula. The center is in the Power Professional Building and is open during the academic year and by appointment.

Residence Halls offer students a variety of living environments and lifestyle options. Pocomoke and Wicomico halls house freshman men, Manokin and Nanticoke halls house freshman women. Coeducational facilities include Chesapeake, Chester, Choptank, St. Martin and Severn halls. Dogwood Village, a modular housing complex, consists of 14 buildings, each housing 10 students in single rooms. The halls feature lounges offering television, conversational groupings and study areas as well as laundry and vending facilities.

Student Health Services, located in the south end of Holloway Hall, includes a waiting room, four treatment rooms, a combined utility room/laboratory and two offices.

Alumni Association

The Alumni Association maintains ties with 19,000 alumni in all 50 states and several foreign countries. Many of these alumni are vigorous supporters of the University through the association.

The association's objectives are to develop and foster an abiding loyalty for Salisbury State University, to promote a professional and ethical spirit that will characterize SSU's alumni members, to encourage participation in all activities that pertain to the betterment and growth of the University, and to unite Salisbury State graduates and undergraduates.

The University Office of Alumni Relations serves as a liaison between the association, the University and alumni.

Admission

General Information

Salisbury State University invites applications from all who are interested in pursuing programs in 29 majors leading to undergraduate degrees. Qualification for admission is determined without regard to race, color, religion, national origin or sex. Students who matriculate following acceptance assume responsibility for upholding the standards and traditions of the University and adhering to its regulations.

Campus Visits

The University encourages prospective students and their families to tour the campus and confer with the admissions staff. The Admissions Office provides tours every Monday, Wednesday and Friday at 1:30 p.m. except holidays when the University is closed. Those who find the above times inconvenient may call the Admissions Office at (410) 543-6161 for a specific appointment. All tours originate from the undergraduate Admissions Office.

In addition to weekday visits, there are several Saturday open houses held each semester. For more information about the open house schedule, call or write the Admissions Office.

Application Requirements And Procedures

Admissions requirements set forth in the following sections are minimum requirements that may be subject to change after the *Undergraduate Catalogue* has been printed. In such cases, changes in admissions policy will be publicized.

Application Forms

Applications for admission, catalogues and other information regarding the University may be obtained on request from the Office of Admissions, from admissions representatives at college programs and on the web site. Many high school guidance offices and community colleges may also provide admission information.

Application Fee

A $30 nonrefundable application fee is required with each application.

Freshman Admissions Options

Salisbury State University considers freshman applicants under three admissions plans.

Early Decision is for high school seniors who have solid academic profiles and who are willing to make a firm commitment to attend SSU if admitted. Early decision applicants must submit their applications by December 15. Decisions are made by January 15 and a nonrefundable deposit is required within two weeks of notification.

Regular Admission is the plan under which most students enter SSU. Regular admission is open to qualified high school students who apply for admission by February 1. Candidates are usually notified of the admission action by March 15 and those who are admitted have until May 1 to confirm their space in the class by submitting a deposit.

Early Admission is an admission option for academically talented high school students. Students who have completed the junior year of high school may be considered for acceptance into the regular University program provided they present evidence of outstanding academic achievement, commendable scores on the Scholastic Assessment Test I or ACT, a positive recommendation from the high school and a certification of eligibility for a high school diploma under the early admission program. A personal interview with an SSU admissions officer is required.

Transfer Admissions

Beginning December 15, the Admissions Office will respond on a rolling basis to transfer applicants.

Suggested Deadlines

Suggested filing deadlines for fall admissions are January 15 for freshman applicants and March 1 for transfer students. Readmission deadlines are December 1 and July 1. Applications received after the suggested filing dates are considered on a space-available basis.

Students applying for the spring semester will be notified of the decision on their applications beginning September 15, on a rolling admissions plan, provided their files are complete. The University reserves the right to close admissions when the projected enrollment is met.

Freshman students seeking on-campus housing for the fall semester who are guaranteed a room must complete the admissions process by May 1. Transfer students who are guaranteed housing must meet their specified deadline for the acceptance fee to reserve a space on campus. Payment of the $200 acceptance fee completes the admissions process. Students paying the acceptance fee past their deadline will be housed on a space-available basis.

Students seeking on-campus housing for the spring semester also will be housed on a space-available basis.

Academic Scholarships

Each fall, the University awards approximately $750,000 in academic scholarships. The admissions application automatically qualifies students for consideration for these academic scholarships.

The minimum requirements for scholarship consideration are a 3.25 high school record in academic subjects and 1250 on the SAT I or 28 on the ACT.

Entering freshmen who meet minimum requirements are contacted by the appropriate awarding group.

Social Security Number

All students are asked to submit their Social Security number. International students are encouraged to file for a Social Security number although they are not eligible for Social Security benefits. The Social Security number is used as a student identifier in maintaining academic and financial records. This number is included on the student's photo identification card (ID), which is solicited in connection with various University-related athletics, social and cultural events. Blackwell Library and Powell Dining Hall have electronic card readers and valid identification cards are required for the use of these facilities.

Students' disclosure of their Social Security number is voluntary. The student Social Security number is only released to agencies or individuals outside the University at the request of the student or in accordance with federal and state requirements in regard to financial aid awards, Internal Revenue Service for student employee salary reporting and state controller's debt collection procedure.

For High School Graduates

Applicants whose academic qualifications give promise of success in college are admitted to Salisbury State University. The Admissions Office evaluates applicants' chances for academic success considering the applicant's high school record, scores on the SAT I or ACT, essay and the recommendations of the high school principals or guidance counselors.

The high school grade point average is based on grades earned in academic subjects in the freshman, sophomore, junior and senior years.

Applicants are urged to take the SAT I or ACT no later than the last fall testing date. Test scores from the junior year are acceptable. The ETS code number for Salisbury State University is 5403 and the ACT code is 1716. Details concerning the administering of the SAT I or ACT may be obtained from any high school guidance counselor.

Students planning to enter college are encouraged to complete the college preparatory curriculum in high school. Within the college preparatory curriculum, a prospective student should have met the following minimum requirements for admission: four credits in English with at least one credit in composition, one credit in American literature and one credit in English literature; three credits in the social sciences; two credits in laboratory-based sciences; three credits in mathematics, with at least two credits in Algebra I and II and one credit in geometry; and two years in a foreign language. Students lacking any of the above admissions specifications should contact the dean of admissions.

Normally, successful candidates for admission to Salisbury State University demonstrate strong college potential by earning at least above average grades in a solid academic program along with scoring above the national average on the SAT I or ACT.

For Non-High School Graduates

Applicants who are not high school graduates may qualify for admission by earning satisfactory grades on the High School Equivalency Examinations administered by the State Department of Education and by receiving the high school equivalency diploma. The applicant should contact the local board of education to make arrangements to take the examinations. SAT or ACT scores are required.

For International Students*

Admission may be offered to international students who demonstrate appropriate academic ability, proficiency in the English language and the ability to finance all costs for their education. Applicants must have official documentation submitted to the Admissions Office certifying completion of at least the equivalent of an American academic high school diploma and the results of their Test of English as a Foreign Language (TOEFL). The University requires a minimum score of 550 on the TOEFL exam. International students also must complete our Summary of Education and Declaration of Finances forms and return them to the Admissions Office. Information about test dates and test centers for the TOEFL may be obtained by writing to Test of English as a Foreign Language, P.O. Box 6151, Princeton, NJ 08541-6151, USA. Applicants who meet all requirements will be offered undergraduate admission.

For Immigrant Students*

Any student applying for admission whose native language is other than English will be required to demonstrate an acceptable level of English proficiency in addition to meeting the basic requirements for admission to the University.

For Veterans

Veterans and dependents of veterans who are eligible for GI benefits and who have a high school diploma or equivalency may be admitted to Salisbury State University. Veterans who have attended other colleges since their discharge are not included in this policy and should seek admission through the normal transfer process. Priority for the acceptance of veterans will be given to Maryland residents.

In addition to high school or college transcripts, each veteran must provide the Admissions Office with a certificate of eligibility. Since it generally takes 60 days or more to clear a VA application, applicants are encouraged to contact their nearest VA office within sufficient time prior to registration at SSU. Initial contact for implementation of benefits should be directed to the Salisbury State University Office of Veteran Affairs.

Placement Testing

All entering freshmen (and transfer students with less than 25 credits) may be subject to state-mandated placement testing in reading, writing and mathematics after being admitted to the University. Requirements for taking these tests are determined by the individual student's SAT I or ACT scores. The testing is administered as part of the new student advising and registration program.

*All international students who attend Salisbury State University will be given an English Placement Examination upon their arrival on campus. Any student who does not demonstrate adequate proficiency in English will either be required to enroll in the compensatory English program or be withdrawn from the University.

All students earning below the predetermined standard on these examinations will be required to participate in remedial programs designed to eliminate deficiencies in basic skills. These students will be administered post-tests to determine if they have reached the established standard.

Students who fail to meet the standard within two semesters and a summer session will not be retained at the institution.

Those students who exhibit a weakness in the basic skills area but are not in need of full remedial programs can participate in a prescribed program to address their weakness.

For Transfer Students

Students with acceptable records may be admitted from other regionally accredited collegiate institutions with requirements similar to those of Salisbury State University. Transfer students should request application forms for admission from the Office of Admissions and are subject to the same payment procedures as incoming freshmen.

To be considered for admission as a transfer student, a student must have earned at least 25 semester hours of college-level credit at an accredited community college or four-year college or university, and have a minimum 2.0 average on a four-point scale. If the student has attended two or more institutions, the overall 2.0 will be computed on grades received in courses earned at all institutions attended unless the student presents an Associate of Arts degree. The University's admission policy for entering freshmen, however, will apply to transfer students who have attempted fewer than 25 semester hours of credit at another institution.

Transfer students from accredited colleges enrolled in transfer programs will receive credit for the work that they have completed, with few exceptions. College Level Examination Program (CLEP) credit will be evaluated based on individual scores. Evaluations of students' previous coursework will be forwarded to them within several weeks of their admission. After being admitted to the University, students may make an appointment with a counselor in the Admissions Office to review the evaluation of transfer credit and to discuss selection of courses.

General Transfer Policies

1. Transfer credits are evaluated by the Admissions Office. Such credits may generally be applied to the 120 hours (minimum) of credit required for graduation and, if approved by the appropriate department, may count toward requirements in a major at Salisbury State University.
2. A student attending Salisbury State University in any regular fall or spring semester has until the end of the semester to complete all forms and to have official transcripts of all prior work from other institutions sent to the SSU Admissions Office.
3. Grades do not transfer; the grade point average for a transfer student is computed only on the basis of coursework completed at SSU. Once a course is taken at Salisbury State University, the SSU grade point average is not affected by repeating the course at another institution. Grades of transfer courses will be calculated for admission to specific academic programs that require a particular grade point average. However, credit earned while a student is enrolled in recognized cooperative programs with other Maryland state colleges and universities will be accepted as credit earned at Salisbury State University. Coursework and grades earned will be applied toward graduation requirements at SSU and these grades will be counted in the SSU grade point average.
4. Credits earned in or transferred from a Maryland community college will normally be limited to approximately half the baccalaureate degree program requirements, but in no case more than 64 credits, and these hours may only be applied to credit at the 100 or 200 level.
5. To be eligible for the baccalaureate degree from Salisbury State University, transfer students must earn at least the final 30 hours of credit from this institution. Students enrolled in officially recognized cooperative institutions may include coursework taken at cooperative institutions in their final 30 hours at the University.
6. Questions concerning the evaluation of transfer credit should be directed to the Office of Admissions. Students may appeal evaluations to the Office of the Vice President of Academic Affairs within the academic year in which the evaluations were made. Transfer evaluations more than one year old are not subject to appeal.

Course-by-Course Evaluation of Transfer Credit

Students will have their work evaluated on a course-by-course basis. Detailed information concerning recommended transfer programs may be obtained from the Office of Admissions. Courses a transferring student plans to apply toward a degree at Salisbury State University are evaluated in one of the following four categories:

1. Approved for General Education credit
2. Approved for lower-level credit
3. Approved for upper-level credit
4. Not approved for transfer credit

All courses approved for transfer credit will be listed as specific courses, as General Education or as elective credit at Salisbury State University. In order for any of these courses to qualify for upper-level credit at SSU, they must be taught at the upper level both at SSU and at the sending institution. All lower-level courses from the sending institution, all courses from community colleges and all courses which are upper level at the sending institution but which are lower level at Salisbury State University will be evaluated as lower-level courses. Some transferred courses, either upper level or lower level, may be used to satisfy requirements in particular majors. Each department determines its own policies in this matter and evaluates each student's record on a course-by-course basis.

While most courses from other accredited institutions are applicable to a degree at Salisbury State University, courses the University views as not academic in nature and which are not compatible with existing programs may not be transferred to the University and applied toward degrees.

For Former SSU Students

Readmission

Matriculated students who fail to enroll at the University during a regular fall or spring semester must apply for readmission through the Admissions Office. Students who have been academically dismissed may only apply for readmission once they have reduced their deficit point totals to the appropriate levels. Students must declare a major at the time of readmission.

Students who have attended other institutions since leaving Salisbury State University must arrange to have official transcripts sent from those institutions directly to the Office of Admissions.

The deadline for applications for fall semester is July 1; for the spring semester, December 1. However, the University reserves the right to close readmission when the enrollment limit has been met.

Academic Clemency Policy

Salisbury State University recognizes that some students may, for a variety of reasons, develop academic records that do not reflect their true abilities. Students who leave the University with poor academic records may wish to receive academic clemency upon their return. To encourage students to try again after an unsuccessful experience, the University is prepared to extend academic clemency.

Students who have not attended the University for at least five calendar years may request clemency. At the time of readmission, students seeking clemency must complete a clemency form and may petition to have up to 16 credit hours of D and F removed from their grade point averages. The grades of D and F will remain on the transcript with X beside them. The grade point averages of students who have received clemency will be recalculated to reflect that clemency. Students who receive clemency are eligible to graduate with honors.

Contact the Academic Affairs Office, Holloway Hall Room 239, (410) 543-6020, for detailed procedures.

Graduate Study

Salisbury State University is approved for graduate instruction by the Middle States Association of Colleges and Schools and the Maryland Higher Education Commission. The University offers graduate programs leading to the Master of Business Administration, the Master of Education, the Master of Education with a major in public school administration, the Master of Arts in teaching (in cooperation with the University of Maryland Eastern Shore), the Master of Arts in English, the Master of Arts in psychology and the Master of Science with a major in nursing. Graduate study also is available for teachers seeking to meet requirements for advanced certification in reading and school administration and for post-baccalaureate students seeking graduate credit in both academic and professional areas.

During the fall and spring semesters, the majority of graduate students enroll for courses conducted in the University's evening program. This program consists mainly of courses meeting once weekly throughout the semester in either late afternoon or evening sessions of approximately three hours each. A limited number of courses open both to graduate students and advanced undergraduates is also available in the regular daytime program. In addition, graduate study is available during the University's summer session and winter term. Residence hall accommodations are available to graduate students only during the summer session and winter term.

Requirements for admission to graduate study include a completed Application to Graduate Study, the application fee and official transcripts from all undergraduate institutions. Additional requirements vary by specific program.

The *Graduate Catalogue* is available upon request from the Office of Admissions.

Continuing Education

Salisbury State University provides traditional and non-traditional courses to the community. The University offers flexible educational programs through evening courses, extension courses, non-credit courses, winter terms, summer sessions, workshops/conferences, short courses, institutes, undergraduate and graduate courses and other types of educational/experimental experiences, both on and off campus.

Goals

The goals of continuing education at Salisbury State University are as follows:

1. Identify community educational needs and interests for use in new and ongoing program development.
2. Contribute to the advancement of essential skills, training, knowledge and information through the Professional Development Institute.
3. Provide educational experiences that encourage intelligent action in response to social, economic and political issues.
4. Provide opportunities to continually update and/or upgrade professional skills.
5. Provide a variety of activities relating to personal and cultural development.
6. Provide increased educational opportunities at suitable locations and hours convenient to those who may participate.

Professional Development Institute

In addition to traditional programs and courses, the University designs "contract courses" through the Professional Development Institute. These may be of short or long duration to meet the special needs of people in the public and private sector. For example, the University offers non-credit short courses in management designed to improve and expand the specific skills for directing the activities of business, government, commercial and industrial organizations. These programs have a "how to" orientation that connects management theory and management practice. Firms that need a particular course or program should contact the University to explore possibilities.

Continuing Education Units (CEU)

Salisbury State University uses the Continuing Education Unit (CEU) for selected offerings in the Non-credit Continuing Education Program. The CEU is a nationally accepted method for recognizing, identifying, measuring and rewarding participation in non-credit certificate programs and special courses of varying lengths that are not part of the regular undergraduate or graduate degree programs. The CEU is defined as "10 contact hours of participation in an organized continuing education experience under responsible, sponsoring, capable direction and qualified instruction." Professional and personal growth may be assessed in this manner. Courses for which CEU credit will be awarded are designated with the CEU initials.

Institute for Retired Persons (IRP)

This program is conceived and administered by its student body of older Americans and is based on principles of self-determination and peer-teaching. The IRP promotes learning at a more leisurely pace, providing peer-teachers for encouragement and direction.

The IRP serves all participants over 50 or a retired person of any age. The program provides new courses, open forums, concerts, field trips and special programs. Retired persons interested in this new concept should contact the Registrar's Office.

Registration of Auditors And Undergraduate Non-Degree Students

Community members who have not earned a degree and wish to enroll for a limited number of undergraduate courses in the non-degree program during the academic year must register through the Registrar's Office. Undergraduate courses open to non-degree students appear in the University bulletins for the fall and spring semesters, winter terms and summer sessions. Information regarding registration procedures and deadlines is available in the Registrar's Office, (410) 543-6150.

University Expenses

NOTE: Tuition and fees are for the 1996-97 academic year. They may be changed and new ones may be established at any time by action of the Board of Regents of the University of Maryland System. Refer to the Cashier's Office for updated prices.

Full-Time Undergraduates

	1st Semester	2nd Semester	Total
Tuition			
Maryland Residents	$1,283	$1,283	$2,566
Out-of-State Residents	2,938	2,938	5,876
Mandatory Fees			
Athletics	$115	$115	$230
Facilities	258	258	516
Guerrieri University Center	83	83	166
Intramural	30	30	60
Student Activities	35	35	70
Total Fees	$521	$521	$1,042
Total Tuition and Fees			
Maryland Residents	$1,804	$1,804	$3,608
Out-of-State Residents	$3,459	$3,459	$6,918
Room Charges			
Chesapeake	$1,275	$1,275	$2,550
Chester	1,275	1,275	2,550
Choptank	1,275	1,275	2,550
Dogwood Village	1,375	1,375	2,750
International House	(varies for 9- or 12-month contract)		
Manokin	1,275	1,275	2,550
Nanticoke	1,275	1,275	2,550
Pocomoke	1,275	1,275	2,550
St. Martin	1,275	1,275	2,550
Severn	1,275	1,275	2,550
Wicomico	1,275	1,275	2,550
Board Charges			
Seven-Day, 19-Meal Plan	$1,195	$1,195	$2,390
Five-Day, 15-Meal Plan	1,155	1,155	2,310
10-Meal Plan	895	895	1,790
Total Tuition, Fees, Room and Board (Based on $2,550 Room Rate and $2,390 Board Rate)			
Maryland Residents	$4,274	$4,274	$8,548
Out-of-State Residents	5,929	5,929	11,858

Other Expenses	Per Incidence	Per Year
Late Payment Fee	$25	
Late Registration Fee	25	
Lost ID Card Fee	10	
Medical Technology Fee		20
Nursing Liability Insurance	10	
Physical Examination Fee	30	
Returned Check Fee	25	
Scuba Equipment Fee	150	
Student Teaching Fee	150	
Vehicle Registration Fee		20

Other Expenses	Per Incidence
Applied Music Fee	$150/SCH
Art Materials Fee	20-35/course
Golf Greens Fee	30
Application Fees	
Graduate	30
Readmission	30
Undergraduate	30

Part-Time Students

Undergraduate Tuition	
Maryland Residents	$105/credit hour
Out-of-State Residents	190/credit hour
Graduate Tuition	
Maryland Residents	$140/credit hour
Out-of-State Residents	210/credit hour
Mandatory Fees	
Facilities	$3/credit hour

Identification Cards

All students must have Salisbury State University identification cards, required for the entire duration of enrollment for admission to most athletics, social and cultural events and as a general form of identification on campus. Powell Dining Hall and Blackwell Library have electronic card readers and valid identification cards are required for students wishing to use those facilities.

The ID card is activated by registration at the University (and with payment of a meal plan for boarding students). There is no charge for having identification cards made. If the card must be replaced through fault of the student, a $10 fee will be charged.

The Identification Office is located in Room 224 of Holloway Hall. Office hours are 8 a.m.-1:30 p.m. and 2:30-5 p.m., Monday-Friday.

Residency Determination

Residency determination is made by the Admissions Office upon application for admission. The complete "Policy on Student Residency Classification for Admission, Tuition and Charge Differential Purposes" is located in Appendix B.

Student Classification

For tuition and fee purposes, a full-time undergraduate student is a student taking 12 or more credit hours each semester. Any student (regardless of classification or designation) taking 12 or more credit hours a semester is required to pay the full-time tuition and fees listed. A part-time student is a student taking 11 or fewer credit hours per semester for undergraduate or graduate credit. Any student (regardless of classification or designation) taking 11 or fewer credit hours a semester is required to pay the part-time tuition and fees itemized.

Students taking courses for audit or pass/fail or courses without credit designation will receive assigned equivalency credit hours for tuition and fee purposes.

Room and Board

Those students who have made residence hall reservations must claim their room no later than 5 p.m. on the day preceding the first day of classes. Students arriving after this date who wish to hold their room reservations may do so by notifying the Housing Office no later than 5 p.m. on the day preceding the first day of classes.

Students living on campus must subscribe to the five-day 15-meal plan or the seven-day 19-meal plan (except residents of Chesapeake and International House). Off-campus residents may subscribe to the five-day (weekdays) 15-meal plan, the seven-day 19-meal plan, the 10-meal plan or may obtain meals at the University dining hall through cash payment for each meal. Residents of Chesapeake and International House may subscribe to any one of the three meal plans or no meal plan at all.

Explanation of Fees

Athletics

Full-time students pay an athletics fee of $230 per academic year. Funds from this fee are assigned to the Department of Intercollegiate Athletics and are used in implementing a well-rounded athletics program at the University. Athletics fees offset expenses incurred in the purchase of consumable supplies for varsity sports, the transportation of athletics teams, payment for athletics officials and numerous other services.

Facilities

All full-time students pay $516 per academic year and part-time students pay $3 per credit hour per semester toward construction costs (both principal and interest) for major renovation and/or construction projects not funded by the State of Maryland.

Guerrieri University Center

All full-time students contribute $166 per academic year to fund the Guerrieri University Center programs and operations.

Intramural

Full-time students pay an intramural fee of $60 per academic year. The Office of Campus Recreation uses these funds to implement a well-rounded intramural program at the University.

Motor Vehicle Registration

Students who operate motor vehicles on the University campus must register these vehicles with the Office of Public Safety, located in the Administrative Services Building, and pay a $20 per year parking fee. Parking permits are non-transferable. **Freshman resident students are not permitted a vehicle on campus.**

Readmission

All students seeking readmission to the University pay a nonrefundable readmission application fee of $30, which is not applied to the tuition and fee bill.

Student Activities

All full-time students pay a fee of $70 per academic year to meet expenses in connection with various social functions, student publications, dramatic productions and the other duly authorized student activities which take place during the academic year.

Additional Expenses

Books and Supplies

Books and classroom supplies may be purchased at the University bookstore, the Book Rack. Expenses will vary with the cost of books and other materials required for particular courses.

Special Courses

Certain courses require enrolled students to pay additional fees for special services and/or materials. All special course fees will be assessed and collected through normal student accounts receivable procedures. **No fees should be paid directly to academic departments or individuals.**

Payments and Adjustments

Advance Payments

Candidates seeking admission to the University must pay a **nonrefundable** $30 application fee when they submit the Admission Application. The application fee is not applied to any tuition or fees. After evaluation and review by the Admissions Office, the candidate is notified of status regarding admission. If accepted for admission, the student will receive (with the acceptance letter) a bill for an advance payment of $200, payable immediately, to assure the student placement in the appropriate class at time of entry. The $200 advance payment is nonrefundable but will be applied toward payment of the total tuition and fees which are due before the first day of classes. If the student fails to register, the $200 advance deposit is forfeited at the close of the late registration period as set forth in the official University calendar.

Students offered housing must pay an advance room and board deposit of $175 or greater to guarantee their room and board reservations for the next academic year. This deposit will be applied to the total bill

during the second semester of the year; the contract is for the entire academic year (two semesters).

Students may cancel room and board reservations by petitioning for release from their contract. The petitions must be in writing to the director of housing and must be received prior to May 1 for the fall semester. For first-time students applying for the spring semester, the deposits are refundable if requested by December 1. The Housing/Residence Life Office will replace the petitioner with a student from the waiting list if possible. If not, the petitioner will forfeit the deposit, as well as incur a surcharge of $200.

Payments to the University

Student tuition and fees are due and payable to the University prior to the beginning of each semester on or before the date shown on the statement of fees. Payment of tuition and fees by mail is encouraged. Students who do not observe the payment due date specified on the bill for any academic term are administratively dismissed from the University and are disenrolled from all of the classes for which they are preregistered.

All checks or money orders should be made payable to Salisbury State University, P.O. Box 2195, Salisbury, MD 21802-2195. Cash payments may be made at the Cashier's Office, Holloway Hall Room 203, Monday-Friday between the hours of 8 a.m.-5 p.m. No student's registration is complete until the semester charges are paid in full.

Returned Checks

Article 27, Section 142 of the Annotated Code of Maryland states that anyone who obtains money, etc., by bad check is subject to prosecution. All checks returned to Salisbury State University by the bank as "unpaid" (this includes checks on which payment has been stopped) must be paid within seven days of the University's notification to the student. If restitution has not been made within the allotted time, the maker of the check may be subject to prosecution. A $25 returned check fee is charged by the University (in addition to the face value of each check) to cover the costs of handling returned checks.

Should it become necessary to remand a debt to the Central Collection Unit of the State of Maryland, a collection fee of 17 percent or greater will be imposed and added to the principal balance. **The University reserves the right to deny services to any student who has an account in arrears.**

Eligibility for Refunds

To be eligible for any type of refund, a withdrawing student must do the following:

1. Submit a completed withdrawal form to the Office of the Registrar.
2. Notify the director of housing (if a resident student) of room cancellation.
3. Turn in the student ID card to the Identification Office.

No refund will be processed unless the student complies with the withdrawal procedures stated above.

Refunds are based on the date on which the withdrawal form is filed with the registrar. Failure to file the official notification will result in a forfeit of all right to refund. No withdrawals will be backdated. Students whose housing contracts and meal plans are terminated for disciplinary reasons are not eligible for refunds. Students dismissed by the University for disciplinary reasons are not entitled to any tuition or fee refunds.

The cost of repairs and/or replacement of any University property damaged by the student will be deducted from any refunds due the student. Damaged property will be inspected by the Physical Plant Office and a determination will be made of repair or replacement costs prior to any refund. Students also will be liable for common area damage assessed by the Housing Office at the end of each semester.

Proposed Refund Policy

Refunds are made based on the following criteria:

1. Students who withdraw from the University by the end of the official drop/add period for each session receive a refund of all tuition, fees, room and board except the $200 acceptance fee for new students, the $175 advance room deposit, the per meal rate for meals eaten prior to a board plan's being dropped, and a $50 administrative fee.
2. Those who withdraw from the end of the official drop/add period through the 14th calendar day of classes receive a refund of 80 percent of tuition, room and board, less a $50 administrative fee. No fees shall be refunded.
3. Students who withdraw from the 15th calendar day until the end of the third week of classes receive a refund of 60 percent of tuition, room and board, less a $50 administrative fee. No fees shall be refunded.
4. Withdraws during the fourth week of classes earn a refund of 40 percent of tuition, room and board, less a $50 administrative fee. No fees shall be refunded.
5. Students who withdraw during the fifth week of classes receive a refund of 20 percent of tuition, room and board, less a $50 administrative fee. No fees shall be refunded.
6. After the end of the fifth week of classes students who withdraw from the University receive no refund of tuition, room or board.

The above refund policy will be effective only if the student has complied with the University's withdrawal procedures. The policy regarding refunds of room rent will be effective only if the student has been released from the housing contract by the director of housing. Individuals who change their schedules from full-time to part-time status during the official drop/add period of the University will be entitled to credit based on the difference between the full-time tuition and fee charge and the part-time per credit hour tuition and fee charge. Appeals to this policy must be in writing to the vice president of business and finance, who makes the final determination of refund eligibility.

The approved refund policy will be enclosed with the semester bill that is mailed to each student. Students who do not preregister may obtain a copy of the policy from the Cashier's Office, Holloway Hall Room 203.

Financial Aid Information

NOTE: Students applying for aid from Salisbury State University who are eligible to apply for the Federal Pell Grant are required to do so before aid from the University will be awarded.

General Information

What is Financial Aid?

Financial aid is any grant, scholarship, loan or paid employment offered for the express purpose of helping a student meet educationally related expenses. Such aid is usually provided by or through federal and state agencies, foundations, corporations, and the colleges and universities themselves. Grants and scholarships are regarded as "gift" assistance and need not be repaid although they may carry certain provisions.

Loans are usually offered at low interest rates and can be repaid over an extended period after the student leaves the institution. Where aid is offered in the form of a job, the student is paid an hourly rate for work actually performed.

The amounts and types of financial aid that students receive are determined through federal, state and local guidelines, and are offered to students in combinations or "packages" designed to fit applicants' financial needs.

What is Financial Need?

Financial need is the dollar-amount difference between the funds students can provide and their University expenses. Salisbury State University expects students and their parents to contribute to the fullest of their ability from income and assets in meeting University expenses. Financial aid is designed to supplement, but not replace, these primary resources. Therefore, the University's aid programs are based on the financial need of families. It is students' responsibility to apply for any additional scholarship for which they may be eligible.

Eligibility Requirements And Procedures

To be eligible to apply initially for financial aid, students must meet the following criteria:

1. Be matriculated (formally admitted to the University).
2. Be enrolled in a degree-seeking program of study.
3. Be enrolled for at least six credit hours.

Once students are studying at Salisbury State University and wish to reapply for financial aid, they must meet the qualifications below:

1. Remain matriculated.
2. Remain enrolled in a degree-seeking program of study.
3. Be full-time students who have completed 12 hours of coursework or part-time students who have completed six hours of coursework.
4. Continue making satisfactory academic progress.

All students must reapply every year for continuation of financial aid, and are required to report to the Financial Aid Office any new scholarships, loans, grants and earnings from employment not recorded on the original, initial financial aid application. This information is used to reassess students' financial needs and if needs are reduced, aid will be reduced accordingly. When aid must be reduced, the Financial Aid Office attempts to adjust the amount students will receive for the upcoming semester in that semester. But in cases where such adjustments cannot be made in time and students receive aid in excess of assessed need, the University bills students in the amount of the overaward.

Students who receive financial aid are notified in an award letter and must, in turn, notify the Financial Aid Office that they accept the aid awarded. Students who do not notify the office of their acceptance of aid awarded by the date indicated in the award letter are subject to aid cancellation.

Students who withdraw or stop attending classes before the end of the semester will have their aid prorated to cover reasonable costs for the period of attendance involved. (Refer to the "Proposed Refund Policy" on page 18 for an explanation of cost reduction.) For students who do not live on campus, the living expenses assumed in the financial aid budget are prorated for the period of attendance. Repayment of financial aid funds may be required, with the order of reduction as follows:

Federal Supplemental Education Opportunity Grant
Federal Carl D. Perkins Loan
Federal Pell Grant
William D. Ford Federal Direct Loan Program
William D. Ford Federal Direct Plus Loan Program
State Scholarship
Federal Direct Parent Loan Program
Institution Scholarship
Private Scholarship

Application Procedures For University Financial Aid Programs

Students who wish to apply for financial aid must complete a Free Application for Federal Student Aid (FAFSA) indicating that Salisbury State University (Title IV Code 002091) is to receive the information. They may be asked to submit signed and dated copies of students' and parents' income tax forms from the pre-

vious year, as well as any other relevant information required by the Financial Aid Office. In addition, students who have attended another postsecondary (after high school) educational institution must submit a Financial Aid Transcript from each school, regardless of whether or not aid was received. No application will be considered complete until all of these forms are received by the Financial Aid Office.

The University's financial aid deadline is March 1 for the following academic year. Students may apply as early as January 1 but no later than six weeks in advance of the deadline date. This allows time to process the FAFSA and have the results forwarded to the Financial Aid Office. Applications received after March 1 will be processed on a first-come, first-served basis. Although incoming freshmen and transfer students are not offered financial aid until they have been formally admitted to the University, they must meet the same application deadline. Immediate processing of new applications or announcements of results prior to the beginning of the school year cannot be assured; therefore, an alternate arrangement for bill payment should be made. If funds are still available, cases will be processed during the school year.

Disbursement of Financial Aid

Confirmed aid recipients who preregister (thereby generating an early bill) will receive financial aid credit directly on the statement of fees. Any balance still due the student after all charges have been deducted will be disbursed to the student as a refund check during the **first week of the classes each semester.**

Recipients who must register in person (thereby generating a bill at the time of registration) will receive any refund amount due after all charges have been deducted after the **first** month of classes (allow 40-60 days). Adjustments require additional time.

If the financial aid amount credited (or refunded) includes a Federal Carl Perkins Loan (FCPL), the recipient **MUST** sign the appropriate loan forms in the Business and Finance Office during the first full week of classes each semester. Recipients with FCPL credit who either receive no refund or have a "0" balance also **MUST** sign the loan forms before the end of the first full week of classes each semester. Each loan disbursement/credit requires a signature as receipt of the FCPL amount. Loan forms must be properly completed and signed by the deadline or the FCPL credit will be withdrawn and the recipient will be responsible for the FCPL amount previously credited. Students who do not have their bills cleared and finalized run the risk of having their classes canceled and permission withdrawn for registering the following semester.

Financial Aid Satisfactory Progress Policy

Introduction

Federal regulations require that institutions of higher education establish minimum standards of "Satisfactory Progress" for students receiving financial aid. This means the Financial Aid Office is required to measure each financial aid recipient's progress toward obtaining a degree. Students who fail to meet the requirements are ineligible to participate in the following programs: Federal Pell Grant, Federal Carl Perkins Loan, Federal SEOG, Federal Work Study, state grants/scholarships, and William D. Ford Federal Direct Student Loans. To be making satisfactory progress, students are required to complete a minimum number of credits each semester and maintain a minimum cumulative grade point average as outlined below.

Full-Time Students

Students attempting 12 or more credits in a semester are required to complete at least 12 credits. Repeated courses are not calculated in the total number of credits completed. Below are the minimum credits and cumulative grade point averages required to be making satisfactory academic progress for full-time students:

Number of Full-Time Semesters Attempted	Minimum Credits Required	*Minimum GPA Required
1	12	*1.75
2	24	*1.75
3	36	2.00
4	48	2.00
5	60	2.00
6	72	2.00
7	84	2.00
8	96	2.00
9	108	2.00
10	120	2.00

Part-Time Students

Students attempting less than 12 credits in a semester must complete at least six credits. Repeated courses are not calculated in the total number of credits completed. Below are the minimum credits and cumulative grade point averages required to be making satisfactory academic progress for part-time students:

Number of Part-Time Semesters Attempted	Minimum Credits Required	*Minimum GPA Required
1	6	*1.75
2	12	*1.75
3	18	2.00
4	24	2.00
5	30	2.00
6	36	2.00
7	42	2.00
8	48	2.00
9	54	2.00
10	60	2.00
11	66	2.00
12	72	2.00
13	78	2.00
14	84	2.00
15	90	2.00
16	96	2.00
17	102	2.00
18	108	2.00
19	114	2.00
20	120	2.00

* if you have junior standing you must have a minimum 2.0 GPA

Financial Aid Programs

Federal Grants and Loans

Federal Pell Grant

The Federal Pell Grant is an "entitlement" program for first-time bachelor's-degree candidates. Degree-seeking students carrying at least six credits per semester are eligible to apply for the grants ranging from $200 to $2,340 depending on the federal formula. The grant is awarded by the federal government, not Salisbury State University. Applications are available from the Financial Aid Office or high school guidance counselors. All students applying for financial aid from SSU are required to apply for the Federal Pell Grant. The Free Application for Federal Student Aid (FAFSA) may be used to apply for the Maryland State Scholarships, campus-based aid and the Federal Pell Grant.

William D. Ford Federal Direct Student Loan Programs

Salisbury State University has been selected to participate in the William D. Ford Federal Direct Student Loan Programs (Direct Loan) which replace the Federal Family Student Loan Programs (Stafford Loans).

The Direct Loan enables degree-seeking students enrolled in at least six credit hours to borrow money directly from the federal government rather than private lending institutions (i.e., banks, credit unions). Loans can easily and quickly be obtained by submitting the Free Application for Federal Student Aid (FAFSA) and signing a Promissory Note. Undergraduate students can borrow up to $2,625 per annum for the freshman year, $3,500 for the sophomore year and $5,500 for the third through fifth year. The interest rate is variable (currently 8.25 percent) with repayment beginning six months after recipients leave the institution. Repayment will be negotiated to fit recipients' annual incomes.

Parents also may borrow through the William D. Ford Federal Direct PLUS Program by completing the Direct Parent Loan Application and Promissory Note and submitting them to Salisbury State University for certification. SSU will electronically send the information to the Department of Education which will approve the loan provided the parents do not have adverse credit history. Parents may borrow up to the cost of attendance at the institution minus other estimated financial assistance for the student. Repayment begins 60 days after the loan is disbursed.

Information on the William D. Ford Federal Direct Student Loan Programs is available in the Financial Aid Office.

University Aid Programs

Federal Supplemental Educational Opportunity Grant (FSEOG)

These are outright grants of up to $4,000 for undergraduate, **first degree-candidates** with exceptional financial need. These grants do not have to be repaid.

Federal Carl Perkins Loan (FCPL)

This program provides up to $15,000 on a loan basis to undergraduate students who are enrolled at least half time and have demonstrated expectational financial need. There is no interest charge on this loan as long as the borrower continues in at least a half-time student status. (Loans range from $200 to $3,000 per year for undergraduates.) Repayment begins six months after graduation or withdrawal from school. Students may be allowed up to 10 years to repay the loan, based on the amount borrowed. The interest rate is 5 percent per annum on the unpaid balance. Repayment may be deferred while students are enrolled on at least a half-time basis or serving in the military, Peace Corps or VISTA. Special education teachers and teachers in designated economically deprived areas may receive up to 100 percent cancellation for teaching over a period of five years. A borrower who is temporarily disabled, or whose spouse is temporarily totally disabled and requires the borrower's care, may defer payments for up to three years.

Federal College Work Study (FCWS)

The Federal College Work Study Program provides jobs on and off campus to full- and half-time degree-seeking students with demonstrated financial need. These jobs are usually assigned as part of the financial aid package. If possible, students are employed in positions related to their academic major or special interest. Students receive $5 per hour and are paid every two weeks for hours worked.

Salisbury State University Grant

The Salisbury State University Grant is for full-time, degree-seeking undergraduate students who have established financial need by completing the Free Application for Federal Student Financial Aid. These grants are usually awarded in combination with other financial aid awards, considering academic performance and financial need.

Veteran's Benefits

Financial aid is available for veterans and their dependents who are eligible for GI benefits. These benefits are implemented by the Salisbury State University Office of Veteran Affairs.

Work Experience

Campus employment is available through the Work Experience Office. Students can apply for jobs without having to apply for financial aid and are hired based on job availability and skills.

Maryland State Scholarship Programs

State Scholarships

The State of Maryland each year awards **Guaranteed Access grants, Educational Access grants, House of Delegates** and **Senatorial scholarships** to legal residents of the state. To apply, students need to complete the FAFSA. The application deadline is March 1 for the following academic year.

Maryland State Nursing Scholarship Program

This program provides financial assistance to full- or part-time nursing students. Students must have a 3.0 grade point average, on a 4.0 scale, from high school or in nursing postsecondary coursework, to be considered for the scholarship. All applicants must be

residents of Maryland and must attend a Maryland college or university.

Recipients are competitively selected by a panel of experts on the basis of the following criteria: an acceptable high school or college grade point average, a letter of recommendation, a personal essay stating why the student has chosen the nursing profession and evidence of active participation in nursing.

Awards are for the cost of tuition and fees up to $2,400 per academic year for full- or part-time study. A student must be enrolled for at least six credit hours to qualify as part time. Each award is renewable on an annual basis up to a maximum of $9,600.

Recipients are required to serve one year on a full-time basis for every year or portion thereof in which they receive assistance. Awards are offered for up to four academic years for full-time students and up to eight for part-time students.

Applications are available from the Department of Nursing or the Maryland State Scholarship Administration, 16 Francis Street, Annapolis, MD 21401.

Scholarships for Entering Freshmen

Art Department Scholarships

The Art Department offers a limited number of merit-based scholarships each year to accepted full-time freshmen or transfer students majoring in art. Scholarships vary from $300 to $500 per year with the opportunity to renew the following year.

Bell Atlantic Leadership in Business Scholarships

Two Bell Atlantic scholarships are awarded annually to incoming, undergraduate, full-time students who aspire to leadership in business and/or entrepreneurship and who major in any of the degree programs within the Franklin P. Perdue School of Business.

To be eligible, freshmen must have a minimum 1150 SAT and high school grade point average of 3.0 on a 4.0 scale. Transfer students with junior standing must have a college/junior college grade point average of 3.0 on a 4.0 scale, and transfer students who have not yet attained junior standing must have a high school grade point average of 3.0 on a 4.0 scale and a college/junior college grade point average of 3.0 on a 4.0 scale based on coursework completed. Students who meet minimum eligibility requirements will receive applications, requiring a written statement, from the Perdue School of Business.

Scholarship recipients must maintain a 3.0 or better grade point average, complete at least 30 credits per year and pursue one of the majors in the Perdue School of Business to retain the scholarships for a maximum of four years; transfer students may retain the scholarships for a maximum of two years by meeting the above standards.

Bentley Scholarships

The Music Department offers the Nettie C. Bentley Scholarships which are available, on a competitive basis, to students who are accepted or previously enrolled as candidates for the B.A. in music at Salisbury State University. Scholarships of $350 to $700 are awarded annually. To qualify for consideration, applicants must audition according to the Music Department requirements for the B.A. degree. Evidence of academic achievement is assessed through evaluation of applicants' high school or college/university transcripts. Applicants must submit an essay of not more than 500 words discussing career goals in music, and two sealed letters of recommendation from individuals qualified to assess the students' musical abilities. The application deadlines coincide with the deadline for department entrance auditions or March 14, whichever comes first. Students may reapply annually.

Byron Scholarship

This scholarship assists deserving students from Dorchester County, MD, who demonstrate leadership qualities, entrepreneurial inclination, a desire to pursue a degree from Salisbury State University and the wish to return to Cambridge some of the benefits of their education. This award is not necessarily given on the basis of high scholastic rank or financial need. Details may be obtained from the Admissions and Financial Aid offices.

Cahall Scholarship

The Clifford and Elizabeth Cahall Scholarship was established by Sam and Lynn Seidel in honor of Lynn Seidel's parents, Clifford and Elizabeth Cahall. The $500 scholarship is awarded to a Sussex County, DE, high school graduate. Although any Sussex County graduate is considered, first priority is given to a graduate of Indian River High School and second priority is given to a graduate of Sussex Central High School.

The scholarship is awarded annually to a student with a minimum 3.0 grade point average. Class rank, SAT scores and financial need are considered. Provided recipients maintain a 3.0 grade point average, the scholarship will continue throughout the four years at SSU. The selection committee from the Admissions/Financial Aid offices determines the applicant pool and the recipient by March 1 of each year.

Cannon Scholarship

The Elizabeth Cannon Memorial Scholarship is a $750 per year award for entering freshmen who have excelled academically in high school. Priority is given to a high school graduate with a genuine need for financial assistance from Caroline County or the other eight Eastern Shore counties in Maryland.

For consideration, students must apply for admission to the University by February 1. Applicants who meet the scholarship criteria are informed of their eligibility by the dean of admissions.

The scholarship may be renewed for a maximum of four years, provided the student maintains a 3.3 grade point average each semester.

Christopher Scholars Program in Education

The Christopher Scholars Program provides scholarships to full-time students majoring in education with a 3.25 minimum grade point average in high school and/or a junior professional program student with a minimum 3.5 cumulative grade point average who has financial need (established by completing the Free Application for Federal Student Aid by March 1). The scholarship may be renewed provided the recipient remains an education major with a minimum 3.3 grade point average and has continued financial need.

Dolle Scholarships

Please see the Perdue School of Business for details.

Durr Memorial Scholarship

The Frederick R.E. Durr Memorial Scholarship, in the amount of $500 per student, is awarded annually to two students pursuing majors in the Perdue School of Business. The scholarship is initially awarded to an incoming freshman with an SAT score of at least 1250 and an overall high school grade point average of 3.25 or better. Extracurricular activities also are considered. Renewal for succeeding years is based on continuing in the Perdue School major and maintaining a 3.0 or better grade point average. This award was established in memory of Dr. Frederick R.E. Durr, the second chair of the former Department of Business Administration and Economics at SSU.

Edwards Nursing Scholarship

The Virginia Mills Edwards Nursing Scholarship recognizes and funds students who desire to become registered nurses. Minimum qualifications include junior or senior standing; priority is given to residents of Dorchester (first), Somerset (second) and Wicomico (third) counties and LPNs or MTs (fourth, with priority given to Dorchester General Hospital employees). Letters of application should be submitted to the Virginia Mills Edwards Scholarship Board, with an essay stating in no less than 300 words the qualifications of the applicant.

The Virginia Mills Edwards Scholarship Board awards scholarships annually for the next academic year. Information is available from the Department of Nursing.

Elmore Scholarship

The Margaret Johnson Elmore Nursing Scholarship recognizes academically gifted pre-nursing/nursing majors who demonstrate potential for professional nursing leadership and service. Criteria for eligibility are "scholastic ability" first and "financial need" second.

Recipients must be residents of Accomack or North Hampton counties, VA, and must maintain an SSU grade point average of 2.5 each academic year. Priority is given first to full-time freshman pre-nursing majors with cumulative high school GPAs of 3.0 on a 4.0 scale and combined SAT scores of 1000 or greater (recipients must be granted and accept admission to the nursing program for the first semester of their junior year to maintain scholarship eligibility; receipt of said scholarship does not ensure admission to the nursing program); second to full-time junior nursing majors admitted to the nursing program; and third to full-time senior nursing majors in the final year of the nursing program.

Letters of application should be submitted to the Margaret Johnson Elmore Scholarship Committee with two letters of recommendation and a written statement by the applicant of financial need. The committee awards scholarships annually for up to four years. Information is available from the Department of Nursing.

Fulton Scholarship

The Charles R. and Martha N. Fulton School of Liberal Arts awards a number of $1,000 and $2,000 scholarships based on outstanding scholastic achievement to entering freshmen. To be considered for an award a student must declare a major in one of the departments of the Fulton School and have a grade point average of 3.25 and an SAT score of at least 1250. Eligible University applicants are sent a scholarship application, including an essay and recommendation form. Awards are renewable each year, provided the student remains a major in a liberal arts department and maintains a 3.3 grade point average.

Gary C. Gimbert Memorial Scholarship Fund

The Gary C. Gimbert Memorial Scholarship is a $1,000 award to incoming Perdue School freshmen with financial need, high school grade point averages of at least 2.5 and SATs of at least 1200. Continuance is for four years as long as recipients maintain a major in the Perdue School, at least a 2.5 grade point average and demonstrate financial need.

Guerrieri Scholarships

The Alan and Patti Guerrieri Scholarship fund provides academic scholarships for first-time freshmen entering the University. Minimum requirements are a 3.25 grade point average and a score of 1250 on the SAT. Scholarships range from $1,000 to $2,000 per year and do not exceed four years. Recipients must maintain a 3.0 grade point average for continuation.

Hall Nursing Scholarship

The Avery W. Hall Nursing Scholarship annually recognizes nursing students thought to be highly motivated, hardworking, enthusiastic and dedicated to the profession of nursing. Minimum qualifications include the following: minimum college GPA of 2.5; full-time junior- or senior-level traditional or registered nurse student; letter of application to the Student Policies Committee, Department of Nursing; and two letters of recommendation.

Recipient selection is by the Student Policies Committee. Inquiries should be directed to the Department of Nursing.

Hancock Family Foundation Inc. Scholarship

The Hancock Scholarship provides $4,000 to incoming freshmen majoring in education with a minimum 3.0 high school grade point average, financial need, and residency in Dorchester, Wicomico, Worcester, Somerset or Anne Arundle counties. Financial need is determined by completing the Free Application for Federal financial Aid by March 1.

To apply, students must apply for admission to the University and complete the Free Application for Federal Student Aid by March 1. The scholarship may be renewed for four years provided the recipient maintains a 2.5 grade point average, remains an education major and continues to demonstrate financial need.

Henson Scholarships

The Richard A. Henson School of Science and Technology annually awards three scholarships to incoming freshmen (one for $3,000 and two for $2,000). Students must declare a major in one of the departments of the Henson School and must have a record of accomplishment and service (minimum high school grade point average of 3.3 and SAT score of 1250 for

the $2,000 award and a grade point average of 3.5 and SAT score of 1350 for the $3,000 award).

Two additional $1,000 scholarships are awarded annually to juniors in the Henson School (transfer students entering their junior year are eligible to apply for these awards). To qualify, students must have a minimum grade point average of 3.3 and must receive recommendations from the department of their major (transfers must have three letters supporting their applications).

Henson Scholarships are renewed each semester provided that the awardees remain in the Henson School and maintain a minimum grade point average of 3.3 for the $2,000 scholarship or 3.5 for the $3,000 scholarship.

Thomas E. Bellavance Honors Scholarship

This scholarship in memory of President Thomas E. Bellavance (1980-95) is made to an incoming freshman with outstanding credentials. To apply for the scholarship a student must apply for admission to the University by February 1 with an intention of participating in the Bellavance Honors Program. The scholarship is renewable with maintenance of a 3.3 grade point average and continued enrollment as a Bellavance scholar. Students are notified of their eligibility.

Johnson Scholarship in Education

A $500 Evelyn E. Johnson Scholarship is given to a female resident of Dorchester County who is majoring in education. The initial scholarship is awarded to a freshman and may be renewable for the entire four-year period provided the student maintains the standards developed by the Financial Aid Office and the School of Education and Professional Studies. The decision is made by the dean of the School of Education and Professional Studies.

Kane Memorial Scholarship

The Martin Kane Memorial Scholarship is a one-year scholarship awarded annually in memory of Martin Kane to an entering Wicomico County freshman who has excelled academically in high school, has demonstrated a desire to serve his or her community and has some financial need.

To apply for the scholarship students must apply for admission to the University. Eligible University applicants are contacted by the dean of admissions. The deadline for consideration is February 1.

Metzger Scholarship Fund

The Jack Metzger Scholarship Fund is made available by the American Legion Post 278 of Kent Island, MD. Priority for the $1,000 scholarship goes to a freshman from Kent Island with second priority being a freshman from Queen Anne's County, MD.

To apply, students must apply for admission to the University. Eligible University applicants are contacted by the dean of admissions. The deadline for consideration is February 1.

Nonresident Tuition Reduction For Nursing Students

This program seeks to attract out-of-state students to the pre-nursing and nursing programs in Maryland's four-year public institutions and to reduce the shortage of nurses in Maryland by requiring participants to work in a Maryland hospital or related institution for at least four years on a full-time basis upon completion of their nursing degree. The amount of assistance is the difference between the amount of tuition paid by an out-of-state student and the amount paid by an in-state student at the same four-year public institution in the same educational program for the identical number of credit hours. Information is available from the Financial Aid Office.

Patt Scholarship

The $500 Gerald and Bette Jane Patt Scholarship is available to incoming freshmen majoring in communication arts. Recipients may qualify for renewal of the scholarship if appropriate academic standards, including a 3.0 grade point average, are met. Information is available from the executive director of the Salisbury State University Foundation Inc.

Perdue Scholarships

The Franklin P. Perdue School of Business awards a number of four-year scholarships based on outstanding scholastic achievement to entering freshmen. For consideration, students must have a combined SAT score of at least 1250 and a high school grade point average of 3.3 or higher. These minimum qualifications place them in a pool where they are then judged competitively. Recipients must maintain a 3.3 or better grade point average, complete at least 30 credits per year and pursue one of the majors in the Perdue School of Business.

Presidential Scholarships

Each year the University awards scholarships to entering freshmen who have shown outstanding academic performance in high school, have excelled on the SAT and have established a record of participation and leadership in extracurricular activities. Applicants must meet the minimum criteria for scholarship consideration, which includes a score of 1250 on the SAT or equivalent on the ACT and a 3.25 grade point average. Students offering talent in the arts, leadership qualities or diversity may also be considered.

To apply, students must apply for admission to the University. Eligible University applicants are contacted by the dean of admissions. The deadline for consideration is February 1.

Information is available from the dean of admissions.

Robertson Scholarship for Liberal Arts

A $250 Thelma B. Robertson Scholarship has been established to provide an annual award to an entering freshman in the Fulton School of Liberal Arts. The recipient is determined by the dean of Fulton School of Liberal Arts.

Salisbury Rotary Club Award

This $500 scholarship is awarded annually to two students pursuing one of the majors in the Perdue School of Business. It is awarded initially to an incoming freshman who has graduated from a high school in Wicomico, Worcester, Dorchester or Somerset counties; has shown evidence of financial need; has an overall high school grade point average of 3.0 or better and has attained a competitive combined score

on the SAT. Renewal for succeeding years is based on continuing in the Perdue School major and maintaining a 3.0 or better grade point average.

Salisbury State University Alumni Scholarship

The Salisbury State University Alumni Association has established a four-year scholarship equivalent to $1,000 for each academic year the student is enrolled. Minimum qualifications are a combined SAT score of 1250, a high school grade point average of 3.25 in academic subjects and demonstrated participation in extracurricular activities. Students admitted by February 1 are screened by the Admissions and Financial Aid offices. This information is forwarded to the Alumni Association Scholarship Committee, which selects the recipient.

Seidel Scholars Program in Education

This $1,000 scholarship was established to aid in the recruitment, admission and retention of students in the School of Education and Professional Studies. Applicants must have a minimum SAT score of 1250 and a 3.25 grade point average. Awards may be renewed, provided the performance standards of the Seidel Scholarship are maintained. A selection committee established by the donor makes the final decision.

SICO Foundation Scholarships

The SICO Foundation of Mount Joy, PA, provides four-year scholarships, each in the amount of $1,000 per year, to entering freshmen who are legal residents of Delaware; Cecil County, MD; southern New Jersey; and some areas in Pennsylvania. However, a student attending Delmar High School in Delaware whose residence is outside of the aforementioned area is considered in the SICO company service area and may apply for a scholarship. Details are available from high school guidance counselors.

Smoot Educational Scholarship

A Brooke and Bree Smoot Educational Scholarship is awarded to a full-time deserving student from a high school in Sussex County, DE, who is domiciled in said county at the time of admission to Salisbury State University. Applicants may be high school seniors, current SSU students or any other applicant. Both financial need and academic ability are weighed equally. To determine need the students must complete the Free Application for Federal Student Aid. The award may be renewed, provided the student maintains a 2.0 grade point average while attending the University. The decision is made by the Admissions and Financial Aid offices.

Student Government Association Scholarship

The Student Government Association has established a scholarship for $1,000 for four consecutive years of enrollment at Salisbury State University. The minimum qualifications are SAT scores of 1250, a 3.25 high school grade point average, demonstrated leadership in extracurricular activities and letters of recommendation. Students must maintain a 3.3 grade point average for each year of continuation.

To apply, a student must apply for admission to the University. The deadline for consideration is February 1. The next time the scholarship will be awarded is fall 2000.

Tawes Memorial Scholarship

The J. Edwin Tawes Memorial Scholarship provides a $500 scholarship to a student from Somerset County. Decisions, based on academic achievement, are made by the dean of admissions.

To apply for the scholarship, a student must apply for admission to the University. Eligible University applicants are contacted by the dean of admissions. The deadline for consideration is February 1.

Transfer Merit Scholarship

A Transfer Merit Scholarship for tuition is offered to a transfer student from a Maryland community college who enters as a junior in the fall semester. To be eligible a transfer must have a 3.5 grade point average and have completed 60 transferable semester hours prior to coming to Salisbury State University.

To apply, one needs to apply for admission. Eligible applicants will be sent a transfer scholarship packet following the admission decision. The recipient is chosen by the dean of admissions by April 15. The scholarship is renewable for the senior year provided the recipient maintains a 3.3 grade point average.

Truitt Scholarship

The Mary Ellen Taylor Truitt Scholarship is awarded to an entering freshman who has shown outstanding academic performance in high school, has excelled on the SAT and has established a record of participation and leadership in extracurricular activities. Minimum credentials for consideration are a combined score of 1250 on the SAT and a 3.25 academic high school record.

To apply for the scholarship a student must apply for admission to the University. Eligible University applicants are contacted by the dean of admissions. The deadline for consideration is February 1.

Information is available from the dean of admissions.

Washburn Scholarship

The Kathryn Washburn Scholarship provides $1,000 to a student from Washington High School, Princess Anne, MD. Students must have been admitted to Salisbury State University, have demonstrated financial need through the Free Application for Federal Student Aid and have evidenced high ability for academic achievement through the SAT.

Recipients are selected by the Admissions and Financial Aid offices. The deadline for consideration is February 1.

Scholarships for Current Students*

American Association of University Women (AAUW) Scholarship

The Salisbury Branch of AAUW offers one $1,000 scholarship to a junior or senior woman attending Salisbury State University. The student must reside on the Eastern Shore of Maryland and should provide evidence of financial need. Applications are available from the Financial Aid Office.

*Current students also may be eligible to apply for the Brooke and Bree Smoot Scholarship, the Virginia Mills Edwards Scholarship, Henson Scholarships, the Nettie C. Bentley Scholarship, the Christopher Scholars Program in Education and the Nonresident Tuition Reduction for Nursing Students listed in the "Scholarships for Entering Freshmen" section of this catalogue.

Army ROTC Scholarships

These two- and three-year scholarships are awarded solely on merit by the Department of the Army. The scholarship pays for tuition, textbooks, lab fees and other purely academic expenses. Scholarship cadets also receive a tax-free living allowance of up to $1,500 each school year that the scholarship is in effect. Applicants need not be enrolled in ROTC at the time of application but must have at least three years (for a three-year scholarship) or two years (for a two-year scholarship) of study remaining for a baccalaureate degree. Information is available from the Department of Military Science.

Bull Nursing Scholarship

The Garland D. and Vivian J. Bull Nursing Scholarship recognizes an academically gifted nursing student who has demonstrated financial need. Minimum qualifications are as follows: a junior/senior traditional or registered nurse student with at least a 3.0 grade point average; a letter of application to the Student Policies Committee, Department of Nursing; a statement of financial need; a self-evaluation of potential for professional nursing and service; and two recommendations, at least one of which must be from a nursing faculty member.

The Student Policies Committee selects recipients of the scholarship, awarded annually for the following academic year. Information is available from the Department of Nursing.

Bell Atlantic Scholarship

The Bell Atlantic Company of Maryland has established a scholarship for Salisbury State University students who have demonstrated financial need. To apply for the scholarship, students must complete the FAFSA by February 1. Decisions are made by the director of financial aid.

Carey-Simmons Education Scholarship

This $1,000 scholarship is awarded annually to a student who wishes to pursue a career in public school education in Maryland. Applicants must have been residents of the Pittsville, Willards or Powellville election district of Wicomico County, MD, for at least five years and must have completed two years of successful undergraduate study. Applicants are judged on merit, achievement and potential.

Clinical Laboratory Managers Association Medical Technology Scholarship

This scholarship recognizes an academically gifted junior or senior medical technology student who has both demonstrated financial need and an aptitude for the clinical laboratory science profession. The award is $500 per year, pending continued funding. Minimum qualifications are a junior or senior student admitted to the medical technology program having completed the freshman and sophomore years of the medical technology curriculum; at least a 3.0 grade point average; a letter of application including a statement of financial need; a self-evaluation potential for a career in clinical laboratory science; and two written recommendations from science faculty and/or employers in the clinical laboratory science field.

The recipient is selected by the faculty of the Department of Medical Technology. Applicants are reviewed in April and the scholarship is awarded for the following academic year. Information is available from the Department of Medical Technology.

Fondes Scholarship

The Robert Parker Fondes Scholarship includes an Outstanding Graduating Nursing Award and a Fondes Scholar Award.

The Outstanding Graduating Nursing Award annually recognizes an outstanding graduating senior nursing student with a minimum college grade point average of 3.5. Recipients are selected by the dean of admissions, the chair of the Nursing Department and not less than two professors of the Department of Nursing.

The Fondes Scholar Award annually recognizes an outstanding nursing student with a minimum high school grade point average of 3.0 who has gained admission to SSU's nursing program. Recipients are selected by the dean of admissions and a representative of the Department of Nursing.

Information on both awards is available from the Department of Nursing.

Wallace Q. French Memorial Scholarship

The Wallace Q. French Memorial Scholarship is a two-year, $1,000-per-year award given annually by the Tidewater Environmental Health Association in memory of their colleague Wallace Q. French. Applicants must be junior/senior natural science majors with an overall grade point average of at least 3.0.

Eligible candidates are notified by letter and must submit the application accompanied by a short essay discussing career goals in the science field. Recipients are selected by the Tidewater Environmental Health Association and the faculty of the Henson School of Science. Information is available from the Office of Alumni Relations.

Holland Business Scholarship

The $2,000 W. Tracy and Frances Lord Holland Scholarship is awarded annually to a rising junior or senior in good standing in the Perdue School of Business who has a demonstrated financial need and is a resident of Wicomico County. This award is renewable, based on maintenance of the above criteria. Students must submit written applications (available from the director of academic services for the Perdue School of Business) and two letters of recommendation.

Institute for Retired Persons (IRP) Scholarship

The Institute for Retired Persons (IRP) has established two awards of $500 each to be given to two full-time juniors in any major field of study at SSU whose permanent home is in one of the lower Eastern Shore counties of Somerset, Wicomico or Worcester and whose grade point average for each of the past three semesters is at least a 3.0. Applicants must demonstrate leadership ability along with University and/or community service and submit a brief essay as to why they would appreciate receiving the award. The deadline for completed applications is on or about March 10. Applications are available at the Dean of Students Office.

K&L Microwave Inc. Scholarship

K&L Microwave Inc. of Salisbury encourages an academic background in both science and business with an annual scholarship. Applicants must be rising sophomores majoring within the departments of Chemistry, Physics, or Mathematics and Computer Science and have a minor in the Perdue School of Business, with a minimum cumulative grade point average of 3.25. The award is $1,000 for each the junior and senior years provided the student maintains a 3.25 grade point average and continues a major in the Henson School of Science. The scholarship is also renewed at $2,000 for one year for the M.B.A. in the Perdue School of Business. Applications are available from the dean of the Henson School of Science and Technology.

Peninsula & Mercantile Banks Scholarship

One to four scholarships are awarded annually in support of Perdue School students' participation in approved international business seminars. Applicants must be Maryland residents, with Eastern Shore applicants given first consideration, as well as juniors or seniors in good standing in one of the Perdue School majors. The number of awards will vary, depending on the availability of funds, with no single award for more than 50 percent of the advertised price of the trip. Please see the Perdue School for details.

Piepenbring Memorial Scholarship

One scholarship is awarded annually from the Craig N. Piepenbring Memorial Fund to a rising sophomore or junior in good standing in the Perdue School of Business. Particular consideration is given to students actively involved in student activities on the SSU campus. Applications are accepted for the award annually. However, if the current recipient is a sophomore, he/she may reapply as a junior and will be considered for a second year with all other applicants on a competitive basis. Students must submit written applications (available from the Office of the Director of Academic Services for the Perdue School of Business) and two letters of recommendation.

Seidel Nursing Scholarship

The Marilyn Seidel Nursing Scholarship recognizes an academically gifted nursing student who has demonstrated outstanding potential for nursing leadership and service. Minimum qualifications include the following: junior/senior level traditional or registered nurse student with at least a 3.0 grade point average; a letter of application to the Student Policies Committee, Department of Nursing; a self-evaluation of potential for professional leadership and service; and three letters of recommendation, at least one of which must be from a nursing faculty member.

The Student Policies Committee selects recipients of the scholarship, awarded for up to two years. Information is available from the Department of Nursing.

Simonds and May Scholarship

The Florence Simonds and John B. May Scholarship is a competitive scholarship awarded each year to a student with high ability and motivation who exhibits a career commitment in the field of learning disabilities. Information is available from the Office of the Academic Vice President.

Woods CPM Memorial Scholarship

The Richard N. Woods CPM Memorial Scholarship is an annual $750 scholarship awarded by the National Association of Purchasing Management - Delmarva Inc. to a full-time rising junior or senior in the Perdue School of Business with an interest in purchasing management and a cumulative grade point average of at least 2.7. If the current recipient is a junior, he/she may reapply as a senior. Students must submit written applications (available from the director of academic services for the Perdue School of Business) and two letters of recommendation.

Worcester County Teachers' Association Grant

The Worcester County Teachers' Association has established a scholarship for a junior enrolled in education. This $750 grant is awarded for the spring semester of the academic year. The applicant must be a graduate of a Worcester County public school with at least a 2.5 grade point average at Salisbury State University. Decisions are made by the Education Department.

Note: Salisbury State University reserves the right to adjust any institutional scholarship monies (Fulton, Guerrieri, Henson, Perdue, and Presidential) if scholarship awards are in excess of $1,500 above the cost of tuition, fees, room and board budgets determined by the Admissions and Financial Aid offices.

Student Rights and Responsibilities

The University supports the development of an environment that enhances academic success and engenders campuswide respect for the rights of others through a broad spectrum of policies and procedures; some of these are included in the *University Catalogue* and many appear in other University documents (see Appendix A). Students can fully support their participation in the University community by familiarizing themselves with the policies that describe their rights and responsibilities, found in the following publications:

Academic Schedule Bulletins—
Office of the Registrar

Advising Handbook
Office of Academic Affairs

Drug-Free Campus, Drug-Free Workplace Brochure—
Office of the Dean of Students

Faculty Handbook
Office of Academic Affairs

Procedures, Policies and Services Brochures—
Office of Public Safety

Residence Hall Information Booklet—
Office of Housing and Residence Life

Student-Athlete Handbook—
Department of Intercollegiate Athletics

Student Handbook—
Office of the Dean of Students

University Catalogue—
Office of Academic Affairs

University of Maryland Systems Policies—
Office of Academic Affairs

Student Life

The first task of education is to endow students with knowledge and habits of mind which will enable and encourage them to act responsiblly, intelligently and civilly at home, on the job, in the community—in other words, to be truly human in both the public and private spheres of their lives.

SSU Mission Statement
Amplified Version, 1984

General Information

Student programs and services exist at Salisbury State University to complement the academic mission of the institution, which is to develop graduates who assume their responsibilities as citizens. Recognizing that much of citizen development takes place outside the classroom through student programs, activities, organizations and services, professional staff focus on enhancing the teaching/learning environment for students and faculty, and on advancing the personal development of scholars.

These goals are accomplished, in part, by services, programs and staff in the offices of the Dean of Students, the Center for Personal and Professional Development, Student Health Services, Guerrieri University Center, Minority Affairs, Public Safety, Housing and Residence Life, Campus Recreation, University Dining Services, Athletics, and Student Activities and Organizations.

Programs and Services

Alcohol and Drug Prevention Resource Center

The Alcohol and Drug Prevention Resource Center promotes alcohol and drug education by coordinating programming and prevention activities about alcohol, drugs, highway safety, and related issues. The center also maintains a referral network for agencies that offer services related to alcohol and drug issues.

Funded through grants from the Maryland Department of Transportation and the Alcohol and Drug Abuse Administration, the center is a regional resource center offering audiovisual listings, printed materials, instructional aids, program support and training services to students, the University community and the Eastern Shore of Maryland. All services are free and confidential.

The center is located in Holloway Hall Room 022 (downstairs from Student Health Services).

Blackwell Library

Blackwell Library offers intellectual support to the University through its collections of books, periodicals, microforms, government documents and related services. The library has approximately 275,000 volumes and subscribes to 1,600 periodicals.

The library provides direct on-line access to the library catalogues of Salisbury State and the other University of Maryland System (UMS) campuses through the VICTOR computer network. The VICTOR system permits SSU students, faculty and staff to borrow *directly* from other UMS libraries by allowing them to electronically place "Holds" on needed materials. In addition, VICTOR offers free access to UNCOVER, a general periodical index, and to many other library catalogs and specialized databases.

Other Blackwell Library services include CD-ROM access to ERIC, ACADEMIC ABSTRACTS, SOCIAL SCIENCES INDEX, MLA, CINAHL and GENERAL SCIENCE ABSTRACTS; FIRSTSEARCH, a do-it-yourself on-line search service for many specialized databases; on-line searching by staff in the DIALOG system; and an interlibrary loan service for periodical articles and books not in the University of Maryland System. The library also provides photocopy machines, plus group and individual study rooms.

Book Rack

The Book Rack provides students with the textbooks and supplies necessary for their classes. Textbooks are available for purchase approximately two weeks prior to the first day of classes. Books incorrectly purchased may be returned for the full purchase price **prior to the last day of Drop/Add only**, provided they are accompanied by a valid cash register receipt, are clean (unwritten in) and resalable. **All returns are subject to the discretion of the management.**

The Book Rack also carries a large selection of reference and general reading books, a variety of SSU-imprinted clothing and giftware, Hallmark cards, snacks, health and beauty items, CDs and tapes, and film processing. Specialty shops include the Greek shop and the computer/electronics shop. With proper identification, personal checks, VISA and MasterCard are accepted.

Campus Recreation

The Campus Recreation Office provides the entire University community the opportunity to participate in a variety of formal and informal activities which encompass team sports, individual and dual sports, outing activities and competitive and noncompetitive activities. In addition to the obvious benefit of physical fitness, participants also obtain improved skills, new and lifelong friends, some self-satisfaction and enjoyment, lifelong leisure-time skills, and social and ethical quali-

ties (cooperation, trust, regard for others, etc.). These objectives are consistent with the University's educational mission.

A high level of skill is not a prerequisite for participation in any activity offered through the Campus Recreation Office. Therefore, all current students, faculty and staff members are urged to take part in both intramural events and sports club activities.

More information and a calendar of events can be obtained in the Campus Recreation Office located in Maggs Physical Activities Center.

Intramural Sports

Competitive sports are a desirable part of a student's program of education. The Campus Recreation Office offers nearly 30 different intramural events throughout the academic year. These events are organized competitions among individuals and teams. Leagues and tournaments are scheduled for each intramural event, utilizing student supervision and student officials.

Intramural activities include box lacrosse, five-on-five basketball, flag football, floor hockey, free throw contests, golf, NFL grid guessers, racquetball, sand volleyball, soccer, softball, sports trivia, tennis, three-on-three basketball, turkey trot, volleyball, walleyball and water polo, Earth Day 5K, three-point shoot-out and wrestling.

Sports Clubs

Sports clubs are a vital part of the campus recreation program and are designed to provide the University community with opportunities to participate in activities of special interest. Participation varies with trends and student leadership. Sports clubs include cycling, golf, ice hockey, martial arts, men's rugby, outdoor, sailing, weightlifting, boxing, canoeing, fencing, golf, women's rugby, men's volleyball and wrestling.

Recreational Facilities

Facilities available to all SSU students include a strength room, Nautilus center, dance studio, racquetball courts, pool, gymnasia areas, indoor and outdoor tennis courts, playing fields, track and locker rooms. A schedule of open times can be obtained in the Campus Recreation Office located in Maggs Physical Activities Center.

Center for Conflict Resolution

The Center for Conflict Resolution, based in the two-story red brick house on the southwest corner of College and Camden avenues, endeavors to provide students and the University community with the means to replace adversarial and violent modes of resolving conflict with nonviolent, collaborative processes and techniques. Through the center, individuals and groups can learn to communicate constructively, thoughtfully and compassionately. Cooperation among people in conflict can be enhanced so that they see their mutual involvement and responsibility.

The center offers mediation of disputes (including but not limited to financial, housing and other University service matters), classes in conflict resolution and mediation skills (with the opportunity to teach the skills in local schools and/or become a peer mediator), and sponsorship of speakers and events promoting the resolution of social conflict by addressing issues of injustice. It also serves as the headquarters of the interdisciplinary conflict resolution and peace studies minor. The C. Phillip Bosserman Peace Library is on the main floor of the center and contains reference materials related to social justice, peace studies, conflict resolution and other relevant information.

Center for Personal and Professional Development

When students have concerns of a personal, interpersonal, academic or vocational nature, the Center for Personal and Professional Development provides personal counseling, career planning and job placement services.

Center counselors assist students in resolving issues which may be interfering with personal growth or academic progress. When appropriate, students may be referred to other departments or agencies. The counselors also conduct outreach programs throughout the year designed to promote personal effectiveness and growth. Typical issues include stress management, test anxiety, depression, eating disorders and relationships.

The Center for Personal and Professional Development also helps students and alumni to define and pursue career goals:

Career Planning Services

Career Counseling:
- Selecting a University Major
- Developing a Career Path
- Changing Career Directions

SIGI PLUS, Computer-Assisted Career Exploration System

Occupational Interest Testing

Personal Career Planning Course:
- GENL 110-(two credits)

Career Planning Workshops:
- Resume Writing
- Interview Skills
- Graduate Schools
- Selecting a University Major
- Work Information Network

Job Placement Services

Job Placement Counseling:
- Resume Preparation
- Interview Skills
- Job Search Procedures
- Employer Identification

Job Alerts

On-Campus Recruiting

Credential Service

Career Library
- Salary Data
- Graduate School Catalogs
- Company/Organization Information

The Center for Personal and Professional Development is located on the second floor of the Guerrieri University Center. Appointments can be made in person or by telephone. All counseling is confidential and free of charge.

Computer Center

The Computer Center is located on the first and second floors of Fulton Hall. The administrative computer system is a Digital Equipment Corporation VAX Cluster. The academic computer system with on-line terminals and printers is available to students in both the Computer Center and Devilbiss Hall. IBM PCs also are available in Devilbiss Hall and there are three labs in Blackwell Library containing Apple IIe, IBM PC and PC-compatible microcomputers. Available in the Computer Center is a Cal Comp 1041 plotter. Two small additional rooms containing microcomputers and terminals are reserved for faculty use. A Scantron Optical Mark Reader used to process examinations, evaluations and surveys is also available.

Dean of Students

The Office of the Dean of Students and Student Affairs Division provide a variety of programs and services which complement the academic mission of the University and create opportunities for personal growth. Student services include Counseling, Career Services, Student Health Services, the Alcohol and Drug Prevention Resource Center, Guerrieri University Center, Housing and Residence Life, Student Activities and Organizations, Campus Recreation and Athletics, and multiethnic student services.

Dining Services

University Dining Services (UDS) proudly provides diverse dining experiences for the convenience of students, faculty, staff and the campus community at large, and offers dining selections that are varied, creative and nutritionally sound. Dietary counseling is available through the staff registered dietitian. UDS provides financial support for students through work experience as well as paid internships in conjunction with academic studies.

Powell Dining Hall, the hub of activity of Dining Services, encompasses two main dining rooms: the Maryland Room provides quick cafeteria service for students on the go while the Salisbury Room provides alternative dining at a leisurely pace with an upscale, fine-dining atmosphere. The Salisbury Room is further enhanced by demonstration cooking and gourmet dessert and coffee stations. Through the Festival of Foods, Dining Services heightens the excellent daily bill of fare with specialty meals.

The Gull's Nest, located in the Guerrieri University Center, offers a variety of breakfast, lunch and dinner services including hot entrees, sandwiches, burgers, pizza, salads, etc. Pizza delivery is available to the campus community and food carts are available in all academic buildings. The Gull's Nest operates Monday-Friday and is available for special events coordinated through student organizations.

University Catering services to the campus community include everything from box meals to formal sit-down dinners as well as concessions and tent rentals. Catering also provides a work experience for students.

Disabled Student Services

In an effort to assist each student in reaching his or her full potential, Salisbury State University seeks to aid those students with special needs as they function in the classroom and live day-to-day on the campus. Students capable of academic success, regardless of their disabilities, are admitted to Salisbury State. Faculty and staff work cooperatively to assist students with special needs in their educational endeavors and adjustment to the campus community.

Salisbury State University is recognized as a barrier-free campus. Residence hall space for disabled students is available in six of 10 buildings.

Prospective students are encouraged to visit the University to become familiar with the campus and meet the support staff prior to making their final acceptance decision. The Dean of Students Office welcomes inquiries from students with special needs.

Guerrieri University Center

The Guerrieri University Center supports the mission of the University by helping create and sustain an ambience where all members of our community, and students in particular, are provided the opportunity, encouragement and support necessary to better realize their potential as individuals and scholars. The center provides myriad opportunities for students, as well as others, to realize the many dimensions of the University mission statement, including clarity of expression, cultural diversity, responsible citizenship, social interaction and community service.

Guerrieri University Center facilities include a lounge, quick service restaurant, bookstore, meeting rooms, campus post office, commuter and resident mailboxes, games room, service desk, the Dean of Students Office, the Center for Personal and Professional Development, the Minority Affairs Office, an art gallery, student radio station WSUR and offices of student organizations. An automated teller machine (ATM) is conveniently located just outside the north entrance.

Housing and Residence Life

Salisbury State University does not have a residency requirement; however, 1,750 spaces are provided for undergraduate men and women. This represents approximately 45 percent of the undergraduate population. The Office of Housing and Residence Life provides students with high-quality facilities and living environments which support academic achievement and personal growth. The office places heavy emphasis on educating students regarding the rights and responsibilities associated with membership in the campus community. Professionally trained staff live and work in residence halls which provide residents with individualized assistance. Programs and activities of both a social and an educational nature are offered to complement the academic program.

On-campus housing is provided on a space-available basis to students who are matriculating for an undergraduate degree at the University and who are registering for 12 semester hours or more.

Additional information on facilities, services, regulations, assignment policies, etc. is included in the *Residence Hall Information* handbook, the housing contract and a variety of brochures published by the Housing Office. All are available upon request.

Intercollegiate Athletics

Mission Statement

Salisbury State University places highest emphasis on the overall quality of the education experience. The athletics program likewise affirms academics as

the highest priority in the life of student-athletes, strengthening the integration of athletics program objectives with academic and developmental objectives.

Recognizing that students have needs and interests that go beyond the scope of academic life, the University is committed to providing an intercollegiate athletics program consistent with those needs and interests. Recognizing further the positive impact of athletics participation on individual development, and consistent with the University's mission, the athletics program seeks to encourage attitudes of integrity and fairness, respect for others and dedication to goals.

General Information

The Intercollegiate Athletics Program for men and women is administered by the director of athletics and the Athletic Advisory Committee. Funding for this program is provided by student athletics fees, athletics contest receipts and various fund-raising projects under institutional supervision.

The Intercollegiate Athletics Program includes: fall - (men) cross country, football, soccer; (women) cross country, field hockey, soccer, volleyball; winter - (men) basketball, swimming; (women) basketball, swimming; spring - (men) baseball, lacrosse, tennis, track and field; (women) lacrosse, softball, tennis, and track and field.

Salisbury State University is a member of the National Collegiate Athletic Association (NCAA) - Division III and holds conference affiliation in the Capital Athletic Conference (CAC) and the Eastern College Athletic Conference (ECAC).

Eligibility

Eligibility for Salisbury State University student-athletes is based upon the National Collegiate Athletic Association's (NCAA) constitution and bylaws. The NCAA principles of sound academic standards for eligibility are met if based on the following criteria:

1. The student-athlete is admitted as a regularly matriculated, degree-seeking student in accordance with the regular, published University entrance requirements.
2. The student-athlete is in good academic standing as determined by the University faculty, in accordance with the standards applied to all students.
3. The student-athlete is enrolled in at least a minimum full-time program of studies and is making satisfactory progress toward graduation as determined by University regulations. The 12/24 credit hour rule is applied for eligibility.

Interpretation and the precise language of these principles as they apply to Salisbury State University student-athletes are available from the Office of the Dean of Students and the Department of Intercollegiate Athletics.

International Student Services

This office was created to address the needs of an expanding population of international students on the campus. The services are coordinated by the Admissions and Dean of Students staffs.

The Admissions Office guides international students through the official process of admission, offers assistance in completing various documents required to gain and maintain approved status with the United States Immigration and Naturalization Service, and provides assistance with required test-taking, evaluation of credentials and placement.

The Dean of Students staff provides services in social and academic areas of students' lives. Orientation to campus and the greater Salisbury area, new educational methods, insurance assistance, and academic and personal counseling are all a part of introducing international students to their new way of life.

The office also provides cultural programs, which integrate the international and American students as well as campus and Salisbury communities.

Additionally, there are two International Houses which serve as residences for 14 students. Both are adjacent to the campus and are under the auspices of the Housing and Residence Life Office. The International House, located on College Avenue, holds an International Students Services Office and is a home to the International Group, a social organization which supports students and helps them adjust to American culture. The same house provides a focal point for interests represented by international and native students, faculty and administrators. It is a location for many educational programs and social activities.

Minority Affairs

The Office of Minority Affairs was established in 1989 to complement the University's commitment to ensuring an academically successful and socially enjoyable experience for its minority student population. Minority Affairs assists minority students with their environmental adjustment task by maintaining open lines of communication with faculty and staff, and systematically assessing the needs and campus experiences of the minority population.

Services and programs provided reflect Salisbury State University's minority students' interests and concerns, and serve to enhance the intellectual and multicultural experiences of all students.

Activities sponsored represent a part of an institutional commitment to create and foster an environment that values diversity while encouraging an appreciation and respect for differences.

Nontraditional Student Services

Students who begin their undergraduate career at SSU after the age of 25 are considered nontraditional. Support services for them include orientation, career development and academic assistance (for example, study and test-taking skills). The national honor society Alpha Sigma Lambda was established in 1992 to acknowledge academic success of nontraditional students. More information is available in the Dean of Students Office and Center for Personal and Professional Development.

On-Campus Student Employment

Salisbury State University employs over 900 undergraduate and graduate students every year. Employment opportunities are offered to full-time students primarily to help defray University expenses. In addition, students enhance their academic pursuits by learning skills, responsibilities, habits, attitudes and processes associated with employment. The student work force is a viable addition to the University staff, enabling the institution to function efficiently on a daily basis.

Students selected for employment contract to work a maximum of 20 hours per week on campus. They

are trained in their respective departments of employ and are evaluated at the end of their contract period by their supervisors.

The Work Experience Office also provides information regarding off-campus employment to students who are registered with the program. Area employers are aware of the wealth of services available to them via student employees and maintain regular contact with the Work Experience Office.

Post Office

The campus post office, located on the first floor of the Guerrieri University Center, offers full postal service from 8 a.m.- 5 p.m. Monday-Friday. Students pick up the combinations for their boxes at the window by presenting their identification cards.

Public Relations/Publications

Professional writers, editors, graphic designers, and media and public relations experts are available to assist students with publicity of significant achievements and community-oriented activities. Free media services include press releases, public service announcements, calendar listings, contacts, etc. For a small fee, design services are available for the production of brochures, newsletters, posters, programs, etc. Students can print from disk or hard copy on the office's color copier (price varies with job complexity). Both PC and Macintosh are supported. It is University policy that all contact with off-campus media, printers and public relations professionals come through PR/ Publications, located on the second floor of Holloway Hall.

Public Safety

The Office of Public Safety, located in the Administrative Services Building, can be contacted 24 hours a day. Campus Police services include investigation of crimes and incidents on campus, response to emergencies, vehicle registration and parking enforcement, lost and found, and physical security of buildings.

This office annually publishes a *Procedures, Policies and Services* brochure, including campus crime statistics. Copies and crime prevention materials are available upon request.

Student Activities and Organizations

Participation in cocurricular activities is a vital part of students' education and college experiences. The Office of Student Activities and Organizations, located on the second floor of the Guerrieri University Center, is committed to assisting SSU students and organizations in assessing, planning, developing, promoting and evaluating meaningful environments conducive to personal, cultural, social, recreational and organizational growth. The office is a constant support network for students interested in the over 90 student organizations at SSU, and assists students in forming new organizations.

SSU's diverse organizations range from departmental clubs, such as the Student National Educator's Association and History Club, to student publications like *The Flyer* newspaper, *Evergreen* yearbook and *Scarab* literary magazine. There are also sports and special interest clubs, religious organizations and active student radio and television stations. Students have their own governing body in the Student Government Association and many different types of professional entertainment are provided by the Program Board. The growing Greek system gives students the opportunity to consider membership in one of seven national fraternities or four national sororities.

The Office of Student Activities and Organizations additionally provides a leadership workshop series through the "Leadership Spa & Fun Times Resort," maintains databases on organization officers and advisors, publishes handbooks on policies and procedures and on the student organizations, advises Homecoming and Siblings' Weekend, and produces the annual student leader recognition "Celebration of University Leadership" awards show.

Student Health Services

Recognizing that good health is essential to effective learning, the University maintains a health service available to all full-time students (and part-time students who have paid a per semester fee). Student Health Services, located in the south end of Holloway Hall across from the library, provides confidential treatment of illness and injuries through a well-equipped facility and certified, experienced professional staff, including a physician, four nurses and three nurse practitioners with specialized training in university student health. Other services are available five minutes from campus at Peninsula Regional Medical Center which includes a modern 400-bed facility and an emergency room open 24 hours a day, seven days a week.

Inpatient care, i.e., 24-hour infirmary service, is not provided by Student Health Services; however, a nurse is on call on weekends (from Friday at 5 p.m. until Monday at 8 a.m.) via a pager system.

If a student contracts a contagious disease or acute illness, the family is notified and required to arrange for the student's care until recovery.

Prior to treatment in Student Health Services, each student is required to complete a health history form. An up-to-date immunization record is required of all students regardless of age. Failure to provide this information may result in the student being unable to register for classes.

The University assumes no financial responsibility for student care other than that provided by Student Health Services. Students are urged to carry their own accident and health insurance since the University is not legally responsible for accidental injuries and resulting medical expenses. Students are encouraged to continue with their parents' coverage or to seek advice from an independent broker.

In addition to clinical services, a wide range of cocurricular health promotion and educational programs are provided in a variety of campus settings.

Hours are posted each semester at Student Health Services.

Telecommunications

The Telecommunications Office handles all facets of campus telephone service. Each room is equipped with a telephone jack enabling residents, who need to provide their own phone, to contact other rooms on campus and to receive outside calls. To call off campus, local or long distance, students may set up an account with the Cashier's Office.

Veteran Affairs

The Veteran Affairs Office provides service to veteran students, eligible dependents and active duty personnel. These services include application procedures, counseling, financial management and vocational rehabilitation. Initial contact for implementation of benefits should be directed to the Office of Veteran Affairs.

Student Honors and Recognitions

Outstanding Academic Achievement

The University recognizes students who have demonstrated outstanding achievement through:

Celebration of University Leadership

Each year the Office of Student Activities and Organizations works with the Student Government Association to provide the Celebration of University Leadership, a semiformal awards presentation designed to recognize the time, effort and service student leaders offer to the University community.

Dean's List

Compiled and issued each semester by the Office of the Vice President of Academic Affairs, the Dean's List is composed of matriculated students who have at least 12 semester hours with grades of A, B or C with a grade point average of 3.5 or higher for the semester. Students so honored receive a certificate and have their names entered on the Dean's List.

Graduation With Honors

Students must complete at least 60 undergraduate semester hours at Salisbury State University, at least 30 of which are to be in 300/400-level courses with grades of A, B or C. To receive honors at graduation, students must have minimum undergraduate cumulative grade point averages as follows: *summa cum laude* - 3.8; *magna cum laude* - 3.6; *cum laude* - 3.3. Students completing a second bachelor's degree will be eligible ONLY IF they meet all criteria with credits earned after their prior graduation. Students in approved dual-degree programs use credits and grades from the participating institutions as well as Salisbury State University in meeting the requirements for graduating with honors.

Honors Convocation

Each spring semester, an Honors Convocation recognizes students who have made outstanding contributions to campus life and who have distinguished themselves academically. Superior students are presented with the following awards:

Achievement Key Award

The Achievement Key Award is given by the Honors Convocation Committee of the faculty on the basis of outstanding scholarship and campus service. Junior and senior students are eligible for nomination if they have completed 18 credit hours or more during the preceding two semesters and have earned a 3.6 grade point average or more for each of these two semesters. Students who receive the Campus Life Award may not simultaneously receive the Achievement Key Award.

Art Department Meritorious Award

Art faculty select one or more full- or part-time students who have completed a minimum of 30 semester hours at SSU and have submitted a portfolio and written statements about their work.

Richard Bernstein Achievement Awards For Excellence

The Richard Bernstein Achievement Awards are presented annually to outstanding students from across the University who have demonstrated entrepreneurial behavior. Selection is based on a broad set of criteria, including evidence of appreciation for American capitalism, leadership, organizational abilities, creativity, self-initiative and commitment.

Biology Faculty Award

The Biology Faculty Award is presented annually to a graduating biology major who has displayed leadership qualities in addition to having maintained academic excellence.

Board of Regents Outstanding Scholar Award

This award is given in recognition of outstanding ability demonstrated by scholarly work. The recipient must be a Maryland resident of junior status, have a cumulative grade point average of 3.5 and must be actively involved in the Honors Program.

Garland D. and Vivian J. Bull Nursing Scholarship

The Garland D. and Vivian J. Bull Nursing Scholarship is awarded to an upper-class nursing student who demonstrates both academic prowess and financial need.

School of Business Outstanding Senior Award

Each year the Franklin P. Perdue School of Business presents awards to senior students from each major/concentration area. These non-monetary awards are based on outstanding academic performance and input from faculty in each area of concentration.

Doris Gay Calcott Memorial Scholarship

This scholarship is given by the Salisbury Chapter of the American Association of University Women in memory of Doris Gay Calcott, a long-time Salisbury civic leader. It is given to an upper-class woman who is a resident of the Eastern Shore of Maryland and shows financial need.

Campus Life Award

Campus Life awards are granted by the University Honors Convocation Committee of the faculty to undergraduate students who have made outstanding contributions to campus life. Students are eligible for nomination on the basis of a 2.6 cumulative average and completion of 18 credit hours or more for the two preceding semesters. This award is limited to not more than 1 percent of the student body. Any recipient of the Achievement Key may not simultaneously receive this award.

Caruthers Memorial Fund Scholarship

The Caruthers Memorial Fund Scholarship is awarded to a junior or senior education major who evidences academic scholarship, leadership skills, involvement in campus and community activities, and shows promise of becoming an outstanding teacher.

Diana Marie Clayton Memorial Award

This award is given in memory of Diana Marie Clayton in recognition of enthusiasm, dedication and academic performance demonstrated in the study of professional nursing.

Delmarva Chapter, Institute of Management Accountants Award

The Institute of Management Accountants Award is an unencumbered gift to an outstanding senior in accounting and is based on academic performance, leadership, and involvement in campus and community activities.

Delta Kappa Gamma Society, Beta Chapter Award

This award is presented by the Beta Chapter of Delta Kappa Gamma Society to an outstanding woman student teacher who best exemplifies the fine qualities and characteristics of the profession.

Frederick R.E. Durr Memorial Scholarship

The Frederick R.E. Durr Memorial Scholarship is a renewable scholarship based on academic merit and extracurricular activities and is awarded annually to (at most) two students in the Perdue School of Business.

A.L. Fleming Memorial Fund Award

The A.L. Fleming Memorial Fund Award is an unencumbered gift presented to an outstanding junior in the Perdue School of Business.

Charles R. and Martha N. Fulton School of Liberal Arts Scholarship

Fulton scholarships are awarded to unusually gifted students with superior academic records who are majoring in the liberal arts. Initial awards are made to entering freshmen who have a combined SAT score of at least 1100, a minimum high school grade point average of 3.5 and a record of extracurricular and community involvement. The scholarship is continued yearly for students maintaining high academic standards.

Geographic Society Award

This award is given to students who have consistently displayed scholarship and interest in the study of geography. To be eligible students must have at least a 3.25 grade point average in geography and must have completed at least 15 semester hours in this discipline. In addition, students must currently be enrolled in a geography course and hold membership in the Geographic Society.

Department of Geography and Regional Planning Outstanding Senior Award

This award is presented to a graduating geography major who has achieved at least a 3.5 grade point average in geography, has given exceptional service to the department and has developed well-defined professional goals.

James F. Glenn Memorial Award in Chemistry

The James F. Glenn Memorial Award in Chemistry is presented annually by the Department of Chemistry for academic excellence and future promise in the field of chemistry.

Joanne Grant Scholarship in Theatre

The Joanne Grant Scholarship in Theatre is given annually to two students who have demonstrated hard work, dependability and dedication to the art and craft of theatre.

M. Alan Guerrieri Scholarship

These scholarships are awarded to a select group of students and are based on a combined SAT score of 1150 and a 3.5 academic grade point average. Recipients must maintain a 3.3 grade point average for continuance.

Guerrieri University Center Music Major Award

The Guerrieri University Center Music Major Award honors a degree-candidate music major who has demonstrated outstanding musicianship by exceptional recital performance and academic achievement.

Avery Hall Nursing Scholarship

The Avery Hall Nursing Scholarship is presented to a nursing student who is thought to be highly motivated, hard working, enthusiastic and dedicated to the profession of nursing.

Richard A. Henson School of Science And Technology Scholarship

Henson scholarship standards of initial award are high, including a 3.3 grade point average, and continuance criteria ensure that all Henson scholars graduate with honors.

Lewis Hess Award

The Lewis Hess award consists of a series of awards, one each from the departments of Art, Communication Arts, English and Music. Recipients are upper-class students (except in cases of exceptional merit) chosen by a faculty committee from within each department.

History Department Scholastic Award

The History Department Scholastic Award is presented to a graduating senior history major who has demonstrated outstanding scholastic ability and has provided substantial leadership for the many student activities sponsored by the History Department.

W. Tracy and Frances Lord Holland Business Scholarship

This is a renewable scholarship honoring a student who has high academic achievement, is involved in campus activities, has financial need and is a resident of Wicomico County.

Honors Program Award

The Honors Program distinguished student scholarships are awarded each year to students who have been active participants in the Honors Program and who have maintained the highest overall grade point averages of all honors students.

Institute for Retired Persons Scholarship Award

Recipients of this award are two students (one in liberal arts and one in education) who have demonstrated academic accomplishment and who best exemplify leadership, character and commitment to their professions.

Maryland Association of Certified Public Accountants Award

This award is presented annually to a junior who has demonstrated outstanding achievement in accounting, ranking in the top 10 percent of the class, and who has evidenced leadership or involvement in campus, community and professional activities.

Department of Mathematical Sciences Service Award

The Mathematical Sciences Service Award is given to a student who has been selected by consensus of the full-time faculty in the Mathematics Department to have done the most to promote a mathematical environment at Salisbury State.

Anne H. Matthews Award

The Anne H. Matthews Award is presented to an education major in the junior class who shows promise of becoming a highly successful teacher.

Most Promising Mathematician Award

The Most Promising Mathematician Award is presented annually to math majors who have a 3.0 grade point average or better and who have been judged by a consensus of full-time faculty in the department to show the most promise in mathematics.

Nathan Foundation Scholarship

The Nathan Foundation is a charitable organization with headquarters in Dorchester County, MD. It was created under terms of the will of Milford Nathan. Awards are for four years to students from the Cambridge area.

Duane C. Nichols Memorial Scholarship

The Duane C. Nichols Memorial Scholarship is awarded to the graduating senior English major earning the highest honors in the discipline.

Sallie Dryden Parker Memorial Award

The Sallie Dryden Parker Memorial Award is given for outstanding performance in film studies or for general contributions to the development of film consciousness on campus and in the Salisbury community.

Franklin P. Perdue School of Business Scholarship

Perdue School Scholarship recipients must have a combined SAT score of at least 1250 and a high school grade point average of 3.3 or better in academic subjects. Retention of the award is based upon maintenance of a 3.3 or better cumulative grade point average and adherence to one of the majors in the Perdue School.

Craig N. Piepenbring Memorial Fund Scholarship

The Craig N. Piepenbring Memorial Fund Scholarship is presented annually to a rising sophomore or junior student majoring in business, economics, accounting, or management information systems. Faculty select a student who demonstrates a high level of commitment and involvement in campus student activities.

Philosophy Department Outstanding Student Award

An award for excellence in philosophy is given each year to a student who has consistently demonstrated both the ability to master philosophical ideas and the willingness to engage in the kind of thoughtful reflection which the Philosophy Department seeks to foster.

Physical Education Excellence Award

The Physical Education Excellence Award is given to a junior or senior physical education major who has a minimum overall grade point average of 3.2, shows leadership ability and is committed to a career in physical education.

Presidential Scholarship

Each year the University awards full-tuition scholarships to entering freshmen who are Maryland residents, have shown outstanding academic performance in high school, excelled on the SAT and established a record of participation and leadership in co-curricular activities. Recipients must maintain a 3.3 grade point average for continuation.

Psychology Department Award

This award is presented annually for academic achievement and outstanding contributions to the Psychology Department.

E. Pauline Riall Achievement Award

The E. Pauline Riall Achievement Award is presented annually by the School of Education and Professional Studies to an outstanding education major as selected by a faculty committee.

Salisbury Rotary International Club Award

The Salisbury Rotary International Club awards are presented to students in the Perdue School of Business who have demonstrated outstanding ability. Selection is based on resident status, academic performance and financial need.

Salisbury State University Scholar Athlete Award

This award recognizes varsity intercollegiate athletics team members who have attained a cumulative grade point average of 3.0 or better and who have made outstanding contributions to team leadership.

Marilyn Seidel Nursing Scholarship

The Marilyn Seidel Nursing Scholarship is presented to an academically gifted upper-division nursing student who has demonstrated outstanding potential for nursing leadership and service.

Samuel W. Seidel Scholarship

The Samuel W. Seidel Scholarship is a four-year renewable scholarship given annually to a promising future teacher to assist with University expenses.

Justin Y. Shen Memorial Award

This award is given in honor of Dr. Shen's selfless efforts on behalf of the University, the community and the scholarly world. To qualify for this award students must be of junior or senior class rank, political science majors, possess a 3.0 overall grade point average and

a 3.25 grade point average in political science courses, and demonstrate leadership ability and a commitment to a career in politics or government.

Social Work Student of the Year Award

The Social Work Student of the Year Award is based upon academic achievement, leadership and service to the University and community.

Leland Starnes Memorial Award

This award is granted to a new student whose work in theatre has demonstrated promise in growth as an artist, whose pursuit of excellence is foremost and whose habits reflect professionalism. It is given as an academic memorial in honor of Dr. Leland Starnes who during the last eight years of his life firmly established the reputation of Salisbury State Theatre for quality theatre.

Walter C. Thurston Memorial Award

The Walter C. Thurston Memorial Award is sponsored annually by the Salisbury Exchange Club for a full-time art major who has completed a minimum of three photography courses at SSU with a "B" average. The Art Department faculty reviews all applicant portfolios and written comments of those students whose careers will involve photography in some manner.

Undergraduate Nursing Achievement Award

These awards are presented to the graduating seniors with the highest grade point averages. When a significant proportion of the class is comprised of registered nurse students, an additional award is given to the registered nurse student with the highest grade point average.

Wall Street Journal Achievement Award

The Wall Street Journal Achievement Award is presented annually to a junior in the Perdue School of Business who has demonstrated outstanding student achievement.

Who's Who Among Students in American Universities and Colleges

Who's Who Among Students in American Universities and Colleges has a half-century tradition as one of the most highly regarded and long-standing honors in the nation for upper-class and graduate students. Currently Who's Who awards are given annually at 1,000 higher education institutions in all 50 states and the District of Columbia. Criteria used by the selection committee include scholarship, participation and leadership in academic, community, athletics and extracurricular activities.

Wicomico Woman's Club Inc. Scholarship

The Wicomico Woman's Club Inc. Scholarship is provided to an upper-division Salisbury State University education major with a grade point average of 3.0 or better. The student must have the approval of the education faculty and show evidence of becoming an outstanding teacher.

Richard N. Woods CPM Memorial Scholarship

This scholarship is awarded by the National Association of Purchasing Management-Delmarva Inc. to a full-time junior or senior in the Perdue School of Business who has an interest in purchasing management and a cumulative grade point average of at least 2.7. Delmarva residency and financial need also may be considered. A student receiving this scholarship as a junior may reapply for it as a senior and will be judged competitively with all other applicants.

Honor Societies

Alpha Sigma Lambda

Alpha Sigma Lambda, established in 1992, is the honor society for adult learners. According to national guidelines, invitation to ASL is based on academic performance, age (25 years or older), four-semester part-time and two-semester full-time residency at SSU and completion of 30 credit hours (15 of which must be outside of a student's major). Eligible students are notified each spring semester.

Beta Beta Beta

Beta Beta Beta is a national undergraduate honor society in the biological sciences that emphasizes a threefold program: stimulation of scholarship, dissemination of scientific knowledge and promotion of biological research. Membership is restricted to biology majors who have completed 15 semester hours of biology with a minimum 3.0 grade point average. The Lambda Psi chapter at SSU will notify prospective members of their eligibility for membership.

Beta Gamma Sigma

Beta Gamma Sigma encourages and honors academic achievement and personal excellence in the study and practice of business. It is the only scholastic honor society recognized by the American Assembly of Collegiate Schools of Business (AACSB). Membership is open to both M.B.A. students and undergraduate students with a major in accounting, business administration or management information systems who are tapped by the Franklin P. Perdue School of Business. To be tapped, undergraduate students in their junior year must be in the top 7 percent of their class or seniors in the top 10 percent of their class. M.B.A. students must be in the top 20 percent of their class. Of approximately 300,000 students receiving M.B.A., accounting, business administration or management information systems degrees nationally in any given year, approximately 15,000 are tapped for membership in Beta Gamma Sigma.

Gamma Theta Upsilon

The Zeta Eta chapter of Gamma Theta Upsilon, an international honor society in geography, was established at SSU in 1980 to recognize scholarly achievement and to foster professional growth and geographic research. To qualify for membership, a student must complete at least four courses in geography with a minimum grade point average of 3.25 and have a 3.0 overall grade point average. Notification of eligibility is given by the organization to prospective members.

Kappa Delta Pi

The Rho Eta chapter of Kappa Delta Pi promotes excellence in and recognizes outstanding contributions to education. This honor society endeavors to maintain a high degree of professional fellowship and growth

among its members. Qualifications for membership are academic achievement and leadership in education.

Lambda Iota Tau

Lambda Iota Tau is an honor society designed to recognize English majors who have achieved scholastic excellence. The Delta Psi chapter of Lambda Iota Tau was chartered in July 1976 and has inducted members every year since. To qualify, English majors must earn 55 or more credit hours at SSU, attain at least a 3.0 grade point average in 12 or more hours of literature and English, and maintain a 2.76 cumulative grade point average. Those majors meeting such qualifications will be invited to submit initiation papers. Those whose papers meet chapter standards will become members of Lambda Iota Tau.

Omicron Delta Kappa

Omicron Delta Kappa is a national leadership honor society for college students that recognizes and encourages superior scholarship, leadership and exemplary character. The society also recognizes achievement in athletics, campus or community service, social and religious activities, campus government, journalism, speech and the mass media, and the creative and performing arts.

Phi Alpha Theta

The Eta Iota chapter of Phi Alpha Theta international honor society in history was established in 1959 to serve the needs of those students who have maintained a high scholastic average and who are interested in the further study and teaching of history. Membership is restricted to juniors and seniors. Notification of eligibility is given by the organization.

Phi Eta Sigma

Phi Eta Sigma is a national honor society which encourages and rewards high scholastic attainment among freshmen. Freshman women and men are invited to join if their cumulative grade point average at the end of the fall or spring semester of their first year is 3.5 or higher.

Phi Kappa Phi

Phi Kappa Phi is a national honor society with a local chapter on the SSU campus. It fosters and recognizes outstanding scholarship in students from all areas of instruction. It is the only national honor society which cuts across the lines that traditionally separate the diverse academic disciplines. Juniors and seniors invited to membership must rank in the upper brackets of their graduating class. Those eligible for induction are notified during the academic year.

Phi Sigma Tau

The Maryland Zeta chapter of Phi Sigma Tau, an international honor society in philosophy, considers its organization instrumental in the day-to-day existence of the University. It serves as a means for developing and honoring academic excellence as well as philosophical interest. In addition to providing a means of awarding distinction to students having high scholarship and interest in philosophy, the society also promotes interest in philosophy among the general collegiate public. The society gives notification of eligibility.

Pi Gamma Mu

Pi Gamma Mu is an international honor society in the social sciences. To qualify for membership, a student must be a junior, senior or graduate student in the upper 35 percent of the class; have at least 20 semester hours in one or more of the five core areas (economics, history, international relations, political science, sociology/anthropology) and in some other social science disciplines such as social psychology, criminal justice or human geography; and have a grade point average of B or better. Membership and leadership in the collegiate chapter are shared equally between faculty and students. Pi Gamma Mu recognizes good scholarship and promotes it all year long through enriching activities, service projects, a scholarship program and a lectureship program.

Pi Sigma Alpha

The Pi Xi chapter of Pi Sigma Alpha, a national honor society in political science, was established in 1987 to recognize the scholarly achievement of outstanding political science students. To qualify for membership, a student must complete 18 hours of political science courses, be a junior or senior, have a 3.0 overall grade point average and have a 3.25 grade point average in political science courses.

Psi Chi

Psi Chi, a national honor society in psychology, was founded in 1929. The Salisbury chapter was established in 1974 to advance the science of psychology and to encourage, stimulate and maintain scholarship of the individual members in all fields, particularly in psychology. The requirements for membership start with the completion of 12 semester hours in psychology; some grade point requirements also exist.

Sigma Theta Tau

Sigma Theta Tau is the international nursing honor society which recognizes excellence in scholarship, leadership and research in nursing. To qualify for membership in SSU's Lambda Eta chapter, a student must be of senior or graduate status, rank in the upper third of the class and demonstrate potential for or achievement in nursing leadership.

More information regarding all clubs and organizations, honoraries and social and service fraternities/sororities is available from the Student Activities and Organizations Office and the Dean of Students Office.

Clubs and Organizations

African-American Historical And Philosophical Society

The African-American Historical and Philosophical Society adds an additional aspect to a supportive academic climate for African-American students and other students, faculty and administrators who desire to learn more about the historical and philosophical contributions of Africans and African-Americans to the development of world civilizations.

Alpha Omega Biological Society

The Alpha Omega Biological Society is open to all students interested in any aspect of the biological sciences. Activities include community projects, field trips, fund raisers, guest speakers and socials. Any SSU student is eligible to join. The only requirement for membership is attending meetings.

American Marketing Association (AMA)

The AMA promotes the growth, understanding, awareness and appeal for marketing in the business world. It deals with issues affecting the business community and offers an opportunity for practical, realistic experience in related vocational fields. Membership in the Salisbury State AMA is open to all students. To be a national member, students must pay dues to the national organization.

Appropriations Board

The Appropriations Board distributes student activity fees. The group consists of up to five voting members who are selected through an interview process. Any full-time student is eligible to run for a position on the board; members must maintain a cumulative grade point average of 2.5. Each year, the Appropriations Board receives budget requests from individual student organizations. Funds are subsequently awarded on an annual basis, although supplemental requests may be made periodically throughout the school year.

Baptist Student Ministries

Baptist Student Ministries presents a Christian witness to the entire campus community and provides opportunities for personal spiritual growth through Bible studies, fellowship, mission service projects and retreats. Baptist Student Ministries is sponsored by the Baptist Convention of Maryland. All are welcome to attend meetings.

BASIC Campus Ministries

BASIC (Brothers and Sisters in Christ) is a local church-based outreach providing an environment for student worship and fellowship. Activities include Bible studies, weekly meetings, fellowship events and a weekend retreat each semester. BASIC also provides transportation to Sunday church services.

Bicycling Club

Bicycling Club activities include weekend training and touring rides, a Florida spring break cycling trip and the annual Sea Gull Century Ride. The group holds weekly meetings and occasional time trials. A ride board to announce trips is located in Maggs Gym.

Bioenvirons Club

The Bioenvirons Club promotes understanding and awareness of environmental issues, educational guidance and career development in environmental science. Benefits of membership include recreational activities and wilderness opportunities.

Campus Crusade for Christ

Campus Crusade for Christ is an interdenominational student Christian movement which provides opportunities for conferences, retreats and weekly fellowship meetings and Bible studies.

Campus Outreach Opportunity League (COOL)

COOL's purpose is to strengthen, through service and in an environment of diversity, the capacity of students for sustained thoughtful action and to foster a student voice in the community to address the challenges we face as a society. COOL promotes volunteerism through sponsorship of community service projects throughout the lower Eastern Shore.

Chemical Society

The Chemical Society encourages interested students to seek professional careers in chemistry-related fields, along with the pursuit of graduate-level studies. The society, open to all SSU students, organizes activities for students with a common interest in chemistry. The society sponsors trips to American Chemical Society regional and national meetings, and to other university chemistry departments on the Eastern Shore.

Circulo Quixote (Spanish Club)

Circulo Quixote provides an environment where people may share, through friendship, their common interests and experiences relative to Hispanic culture and Spanish language. The club is also a source of information on travel and study abroad programs.

College Republicans

The SSU Republican Club develops political skills and leadership abilities among Republican students as preparation for their future service to the party and the community. The club sponsors activities such as banquets, field trips and political lectures. It is open to all students interested in the Republican Party.

Counseling for the Clueless

The group extends its services to the entire student body on issues such as careers, majors, advisors, etc. Membership is open to all undergraduate and graduate students who complete the 10-hour training session, present an audiotape showing skills learned during training and spend at least two hours shadowing another peer counselor.

Dance Company

The SSU Dance Company, originating in 1960 as the Modern Dance Club, provides opportunities for instruction in dance technique and experience in dance performance, choreography and production. Annual productions include a fall showcase of student works and a spring concert featuring faculty, nationally recognized guest artists and student works demonstrating creative and technical excellence. The company performs for campus organizations and community groups and cosponsors professional dance artist and dance company residencies. An executive council of student leaders serves as a liaison to the faculty director. Membership is open to all interested students and community members, with new members accepted once each semester. Credits may be earned for participation.

Data Processing Management Association (DPMA)

The DPMA promotes the growth, understanding, awareness and appeal for data processing and information systems management. It explores issues af-

fecting data processing in corporations, and offers an opportunity for realistic experience in the data processing environment.

Debate Team

The Debate Team, open to all full-time students, was formed to assist in the development of communication and persuasion skills among the students of the University.

Education Club

The Education Club provides elementary and secondary education majors with a large variety of activities for involvement on campus as well as in the community. Meetings promote networking with professionals in the field, strategies for teaching and job searches, and cooperation with other organizations in campus projects. Special community projects engage members in direct involvement with children through Joseph House and the annual Salisbury Festival. Members are also affiliated with the Maryland State Teachers Association (MSTA). Meetings are held twice a month.

Electric Mayhem

Electric Mayhem promotes the growth, understanding, awareness and consideration of multiple viewpoints between the special interest groups on campus and the student body by publishing multiple perspectives on a single topic. Editorial positions are open to all students.

Environmental Health Club

The Environmental Health Club stimulates and increases interest in the environmental health major and its related professions, which comprise the interrelation between man and his environment as they relate to health. Open to all students, the club sponsors guest speakers and field trips, provides an informal forum for discussion of environmental health issues and collects career and graduate school information.

Equestrian Club

The Equestrian Club promotes the growth, understanding and appeal for equestrian sports while providing recreation, education and competition.

***Evergreen* Yearbook**

The *Evergreen* yearbook, a memory book collection of pictures and anecdotes, serves as a history, resource/reference book and as a public relations piece for the school. The staff is made up entirely of students. Membership is open to any student with interest in design, layout, photography, copywriting or staff organization.

Fencing Club

No experience is necessary to learn the art of swordsmanship in a relaxed and social atmosphere. The Fencing Club is run by a small executive body of officers and open to all students. Meetings are held two nights a week in Maggs Gym.

Film Society

The Film Society promotes the awareness, appreciation and a thorough understanding of cinema through the screening of a wide and rich variety of films. It offers the opportunity to view and discuss selections previously unavailable to the campus community as well as a better understanding of the film industry.

Financial Management Association (FMA)

The FMA student chapter/national honor society provides a source of valuable information on the latest developments in the field of finance from both the professional and academic viewpoints. Since its establishment, FMA has expanded to over several hundred college and university campuses throughout the world.

FMA student programs have two components—FMA student chapters and the FMA national honor society. Local FMA student chapters are organizations of professional, educational and social activities. The national honor society extends this concept by recognizing individuals who have attained a high level of scholarship and academic achievement. National honor society members hold the distinction of belonging to the only honorary organization for students of finance.

The Flyer

The Flyer, the only campus newspaper, is dedicated to informing the campus of recent happenings and news that affect all college students, and to acting as a forum for expressing individual viewpoints. *The Flyer* began as the *Holly Leaf* in the mid-1940s, then changed to the present title, and in 1978 it was changed from the traditional newspaper style to a newsmagazine. In 1990 it was returned to a weekly newspaper format. No experience is needed to join. Editorial positions are voted on in the spring for the following year.

French Club

The French Club provides an opportunity for social use of the French language and for additional contact with many interesting aspects of the French culture. Active use of the language is encouraged, but not required at the meetings. The French Club sponsors field trips, films, guest speakers, and food and wine tasting, among other varied activities.

Gay/Lesbian Alliance (GALA)

The gay/lesbian support group seeks to ensure that those in the gay/lesbian and bisexual campus community are not isolated. It believes bisexuality and homosexuality are orientations which coexist with heterosexuality. GALA provides support through a peer network, addresses relevant issues and serves as an information source for all.

German Club

The German Club stimulates and increases use of the German language and provides additional contact with German culture. Major activities have included German banquets, guest speakers, restaurant field trips, songfests and sponsorship of the SSU Oktoberfest. The German Club is open to all interested students.

Golf Club

The Golf Club promotes growth, understanding and respect for the sport of golf. The club offers students, faculty and staff an opportunity to interact informally. All levels of players are invited to participate.

Gospel Choir

The Gospel Choir at Salisbury State University originated in September 1983. The choir spreads the gospel through song at local churches on the Eastern Shore and by presenting an annual spring concert.

Habitat for Humanity

This community-service organization provides low mortgage income housing for needy and deserving families. The Salisbury State chapter meets weekly to discuss fund raising and future events. Students may volunteer some time on Saturdays to work at the building site, Kirkland Estates, where the goal is to complete 32 homes and a community center. The University chapter in 1994 broke the collegiate record for financing and building a home in one year and has been formally recognized by the national Habitat for Humanity.

History Club

The History Club provides an informal atmosphere for students and faculty to share their common interests in history. Various activities such as banquets, field trips, films and lectures are planned throughout the year.

Honors Student Association

The Honors Student Association serves as a liaison between students enrolled in the University Honors Program and the Honors Program Committee. It plans extracurricular cultural and intellectual activities in conjunction with Honors classes, makes recommendations for Honors course offerings and advises the committee on matters relating to program requirements and changes. Membership is open to all Honors students.

Ice Hockey Club

The Ice Hockey Club provides students an opportunity for physical and mental development in the fast-paced sport of ice hockey. This club stresses teamwork and responsibility. All practices and games are held in Easton, MD. The team is a member of the Talbot County Community Adult Ice Hockey League.

Institute of Management Accountants (IMA)

The IMA is affiliated with a national organization of management accountants and welcomes all students interested in the accounting profession. It sponsors professional activities that acquaint students with the opportunities available to accounting graduates. Students are welcome at the technical meetings sponsored by the Delmarva chapter.

International Group

The group formulates, maintains and expands cultural and intellectual awareness among the Salisbury State University student body, faculty, staff and community of Salisbury. It demonstrates, implements and develops a campuswide integration of international students while promoting cultural interests.

Jewish Student Association (JSA)

The JSA provides Jewish-oriented social activities and a liaison with the local Jewish community, Jewish students and the campus community. It expresses the concerns of all students regarding Jewish issues. Membership is open to all students.

Mathematical Association of America (MAA)

The MAA student chapter assists all interested students in the further exploration of mathematical related activities and provides a social atmosphere for congregation and interaction with students of similar interest. It also promotes attendance of the MAA conferences and activities, and encourages participation in MAA supported contests.

Medical Careers Society

The Medical Careers Society is for those students considering a career in dentistry, medicine, nursing, veterinary work or one of the other health fields. Some programs are of general interest, but are planned to serve the specific needs of pre-medical and pre-dental students. Visiting physicians and other professionals provide interesting insights, guidance and the opportunity for informal discussion.

Men's Rugby Club

The Men's Rugby Club has a fall and a spring season with practices on Tuesday and Thursday, 4-6 p.m. It is a member of the Potomac Rugby Union, with scheduled matrix games on weekends.

Music Educators' National Conference (MENC)

The MENC is a nationally recognized student and teacher organization. Its activities and publications are largely responsible for establishing, developing and promoting education as a field of study and as a profession.

National Association for the Advancement of Colored People (NAACP)

The NAACP is dedicated to improving the political, educational, social and economic status of minority groups; eliminating racial prejudice; and keeping the public aware of the adverse effects of racial discrimination. The organization will take all lawful action to secure the elimination of discrimination consistent with the efforts of the national organization and in conformity with the Articles of Incorporation of the association, its constitution and bylaws, and as directed by the national board of directors.

New Agenda Unity Club

Warning: New Agenda is a group of "action," consisting of diverse students aiming to bring about a "new age." It increases understanding between students of different genders and cultures and does so in fun and exciting ways such as parties, trips, motivational speakers and dialogue sessions. Membership is open to students and faculty.

Newman Club (Catholic Campus Ministries)

The Newman Club is the Catholic campus ministry organization. A Catholic mass is held in the Guerrieri University Center at 3:30 p.m. every Sunday and all students, regardless of denomination, are welcome. Other activities include a fall hayride, weekly meetings, socials and fund rasiers.

Outdoor Club

The Outdoor Club began in 1981 as a student organization to promote conservation activities and environmental awareness in the University community.

Since its inception, students have participated in outdoor adventures as far away as Florida, Canada and Texas, as local as Assateague Island and the Pocomoke River. The club is dedicated to serving any student wishing to participate and to educating all students in survival skills and conservation philosophy.

Perdue Scholars Association

The Perdue Scholars Association is comprised of students receiving scholarships from the Franklin P. Perdue School of Business. The Perdue Scholars Association interacts with and serves the community, University and students, both in the business school and out.

Phi Alpha Delta Law Fraternity, International, SSU Pre-Law Chapter

The Salisbury State pre-law chapter of this organization, which encourages the professional advancement of its members, promotes the principles of liberty and equal justice under the law for all citizens and seeks to stimulate excellence in scholarship. It provides a forum for the interchange between members of the chapter and other members of Phi Alpha Delta Law Fraternity, International and encourages the development of lasting friendships among its members.

Phi Beta Lambda

Phi Beta Lambda (Future Business Leaders) is a national organization for all students, in postsecondary schools and colleges, enrolled in business and office education programs. Phi Beta Lambda provides opportunities for these students to develop vocational competencies for business and office occupations. As an integral part of the instructional program, Phi Beta Lambda promotes a sense of civic and personal responsibility. Active members have the opportunity to attend leadership conferences throughout the United States and to participate in competitive business events on state and national levels.

Philosophical Society

The Philosophical Society, open to all members of the University community, actively seeks to arouse on campus a passion for ideas and an enthusiasm for thinking about provocative issues. It is dedicated to the proposition that learning is not equivalent to memorizing textbooks, but requires asking extraordinary questions. Its regular colloquia include an annual lecture series, informal social gatherings and occasional trips to philosophical meetings.

Political Science Club

The Political Science Club provides an informal atmosphere where students and faculty can share their common interests in political science. Various activities such as banquets, field trips and lectures are planned throughout the year.

Progressively Reaching Out Toward Understanding Disabilities (PROUD)

PROUD is composed of disabled students and other concerned persons interested in getting together periodically to discuss concerns and issues as they pertain to the disabled population. This organization is called upon to participate in the planning and evaluation of physical renovations and special programs.

Resident Hall Association (RHA)

RHA endeavors to pull together the talents of the representatives of each residence hall in order to unify, serve and fulfill the needs of resident students at the University by improving and enhancing the educational, social and functional well-being of the students' residence hall life.

Respiratory Therapy Association

The Salisbury State University Respiratory Therapy Association is open to all respiratory therapy majors. Activities include community projects, fund raisers, medical seminars and socials. The association seeks to unite students who share a common interest in pursuing careers as respiratory therapists.

Sailing Club

The Sailing Club is a co-ed sports club for all students interested in racing and learning the skills to compete in collegiate sailing. Some events are for women only and some are for first-year students only. Competitions are scheduled weekends in the fall and spring and the team's fleet is composed of nine Vanguard Collegiate Juniors which are used for practices three times a week on the Nanticoke River. The team is a member of MAISA (Middle Atlantic Intercollegiate Sailing Association). Competition includes many Division I schools such as the Naval Academy, Georgetown, Old Dominion, St. Mary's and Princeton. Salisbury has formed a new sailing conference with several other schools providing competition at all levels of skill. A willingness to work hard is essential. The team averages between 15 and 25 members a year.

Salisbury State Program Board (SSPB)

The SSPB presents a diverse and well-rounded schedule of social, recreational, educational and leisure activities such as concerts, films, comedians, coffeehouses, trips, variety acts and multicultural events. Annual dances include Homecoming and Spring Fling.

Scarab

The *Scarab*, a student literary magazine, encourages the creative arts as expressed through poetry, short story and artwork via recognition in its annual publication. Material published in the *Scarab* is original work submitted by SSU students. After careful evaluation, the *Scarab* staff selects submissions eligible for publication. The staff consists of students who wish to explore literary criticism and publication procedures. Any student is encouraged to join.

Sigma Iota Epsilon

The campus Epsilon Pi chapter offers practical opportunities for members to better themselves in the field of management. Membership is open to the SSU community.

Social Work Club

The Social Work Club started at SSU in 1974. It promotes the exchange of ideas about issues involving social work through discussions, experiences, films, seminars and workshops, and provides needed human services to members of the University and the community. Meetings will be publicized throughout the year. Students interested can simply come to the meetings and actively participate.

Society of Physics Students (SPS)

SPS, a professional physics association operating within the American Institute of Physics (AIP), is open to anyone interested in physics and offers its members opportunities to qualify for scholarships, internships and career development programs. SPS also organizes study groups, tutors, speakers and field trips.

Sociological Society

The Sociological Society was established in 1987 to develop and implement a well-balanced program of activities that will meet the cultural, intellectual and social needs of its participants. It is managed by students with faculty support. Those interested in the history and development of society are encouraged to join.

Sophanes

Sophanes is the Salisbury State theatre association. Under the auspices of the Department of Communication Arts, Sophanes presents a balanced season of main stage and studio productions and workshops for public performance. The organization is managed by students with faculty supervision. Academic credit is available for those participating in productions.

SSU TV

The student television station promotes an understanding of mass media, and video in particular, and pools knowledge and creativity to raise the level of expertise in producing quality programming. It gives students real-life job experience in running and operating a television station.

StarNet Science Fiction Club

StarNet originated in 1994 as a student forum for viewing and discussing various TV programs, movies and books of the science fiction genre, as well as astronomy and computers. Opportunities exist to attend science fiction conventions. Membership is open to all students and faculty.

Student Government Association (SGA)

The SGA is the primary student governance organization of the University. SGA's main function is to serve as a liaison between the faculty and administration, and the student body. Executive officers include a president, vice president, recording secretary, corresponding secretary and parliamentarian. SGA senators serve as representatives on various University committees.

Student Health Advisory Committee (SHAC)

The SHAC is comprised of students who act as liaisons between students, Student Health Services, faculty and staff. They also educate students about health-related events on campus and co-sponsor the annual Wellness Day in the spring.

Student Nurses' Association (SNA)

The goals of the SNA are to provide events beneficial to the community and fellow SSU students, to allow students with a common interest an opportunity for gathering and communicating, and to further those educational goals set forth by SSU's Nursing Department. The SNA was formed by the first nursing graduates of Salisbury State during 1970.

Students' Emergency Medical Squad (SEMS)

SEMS serves the students and faculty of SSU by providing first response medical care to any individual in distress while on campus grounds at any time of day or night, and to enhance the growth of its members. Membership is open to full-time students.

Students for Campus Safety

Students for Campus Safety, commonly referred to as the Escort Service, provides safe transportation for SSU students between points on campus or between the campus and nearby off-campus locations. Student volunteers offer their time to this activity one or two nights a week and are provided hand-held radios and personal jackets displaying the Escort Service logo.

Students of University Dining Services (SUDS)

Comprised of student employees in Dining Services, SUDS is one of the University's largest student organizations and provides a high level of activity ranging from biweekly live entertainment nights to participation in intramurals. The organization provides students with a voice in Dining Services and the University at large and confers recognition of outstanding student accomplishments in work and academics.

Tae Kwon Do Club

The Tae Kwon Do Club allows students to study a traditional empty-hand martial art. Students can study Tae Kwon Do, the national sport of Korea, to achieve the black belt or participate on an informal basis. Activities for club members include weekly training sessions and social events and trips to martial arts competitions. All students interested in physical conditioning and personal development are welcome. Prior experience is not required. The club meets Mondays at 7:30 p.m. in Maggs Multipurpose Room.

Ultimate Club

The Ultimate Club gives students a chance to play ultimate frisbee. The team plays year round, practices at least twice a week, and is recognized by the Ultimate Players Association.

Union of African-American Students (UAS)

The UAS promotes a better understanding and relationship among all people and to attune the University and the community to the needs of African-Americans and other minorities. Membership in the UAS is open to all SSU students. The organization sponsors benefits, dances, plays and speakers. One of the highlights of the UAS's activities is Black Awareness Week, which features a series of programs and special events designed to promote the culture and achievements African-Americans have contributed to the University, community and country.

Victory Garden Club

Caring for plants and connecting with nature is a recreational activity that provides sustenance for a healthier life. The gardening club educates and provides practical experience with the best gardening techniques of today, and shares research and information on a practical calendar for crops, organic gardening,

composting, raised beds and companion planting. Club members use greenhouse facilities, group-purchase supplies and seeds, take field trips to local gardens and work on a campus garden plot. Membership is open to the campus community.

Weight Lifting Club

The Weight Lifting Club is for experienced as well as novice lifters. Within the structure of this club is a powerlifting team which on occasion competes in the Middle Atlantic Region.

Wesley Foundation (Methodist Campus Ministry)

The Wesley Foundation encourages fellowship among University students. It provides a caring and compassionate ministry to students and other members of the campus community who seek to integrate an understanding of the Christian faith with the academic and social environment of the University.

Women's Rugby

The Women's Rugby Club provides women the opportunity to develop skills and knowledge to participate in the sport of rugby. The club promotes physical fitness, team work and personal growth in both the fall and spring semesters with a flexible practice schedule of Mondays, Wednesdays and Fridays from 4-6 p.m. all members have a chance to participate in Saturday matches. No experience is necessary and new members are welcome.

Wrestling Club

The Wrestling Club enables students from SSU and UMES to wrestle within a competitive league. Practices are held three to four times a week in Maggs gymnasium. Members may attend as many of the practice sessions as they like and participation in competition is optional. All students are eligible to participate and beginners are encouraged to attend.

WSUR Student Radio

WSUR, completely run by students, offers the University an educational and entertaining service. The station is on the air 17 hours a day with programming including alternative rock, classic rock, jazz, hip hop, ska and reggae. Sponsored events include the Gullapalooza benefit concert, dances and contests.

Young Democrats

The Young Democrats of SSU seeks to stimulate in young people an active interest in governmental affairs, to contribute to the growth and leadership of the Democratic Party and to promote involvement in the political process. This organization also helps develop leadership ability, examines issues and teaches political techniques.

Fraternities and Sororities

Under the joint sponsorship of various national social fraternities and sororities and the University, local chapters of the organizations have been established at Salisbury State. There are four national sororities and six national fraternities whose activities are coordinated by the Greek and Interfraternity councils and the Panhellenic Association.

Greek Governance Systems

Greek Council

The Greek Council is designed to unify the Greek community through improving communication, increasing understanding, promoting cooperation and providing support among Greek affiliates. It also articulates the values and contributions of Greek affiliates to the campus and local communities, and communicates with the administration and the campus community regarding issues of common concern.

Interfraternity Council

This organization promotes the interests of the University and member fraternities and ensures cooperation between the member fraternities and the University authorities as well as other Greek societies on campus.

Panhellenic Council

The Panhellenic Council at Salisbury State was established to inform others about the Greek system, to encourage a sisterhood among sororities and to enable members to work together as a unit.

Fraternities

Kappa Alpha Psi

Kappa Alpha Psi strives to help the community while keeping in mind its main goal, which is achievement. Kappa Alpha Psi was founded January 15, 1991. Anyone seeking affiliation with the fraternity must have a minimum cumulative grade point average of 2.0.The fraternity has an interest meeting every semester.

Omega Psi Phi

Recently reactivated on campus, Omega Psi Phi was established to build a strong and effective group of men dedicated to the principles of manhood, scholarship, perseverance and uplift—a group capable of expressing the hopes and aspirations of fellow students for social, community and academic endeavors.

Phi Beta Sigma

Phi Beta Sigma supports, educates and inspires its campuses and communities worldwide. Members live by the principles of brotherhood, scholarship and service. In keeping with its motto, the fraternity strives to keep its commitment to "culture for service and service for humanity." Theta Kappa chapter, recently reactivated, has been on SSU's campus since 1975.

Pi Lambda Phi

Pi Lambda Phi was originally founded in 1895. A non-sectarian and non-hazing fraternity, Pi Lam was founded at Salisbury State in the spring of 1986, offering friendship, a rewarding social life and tremendous potential for growth. Pi Lambda Phi— "it's not four years, but a lifetime."

Sigma Alpha Epsilon

Sigma Alpha Epsilon is the largest national fraternity and was the first Greek social fraternity founded on the SSU campus. Colonization was achieved in October 1975, with a formal installation taking place November 12, 1977, at which time the Maryland Sigma chapter was formed. The fraternity has diversified programs to enrich and broaden a student's college experience which varies from strongly stressed academics, campus leadership, cultural events, fund raising and community service/philanthropic projects to an avid social life.

Sigma Phi Epsilon

Sigma Phi Epsilon is the largest fraternal organization on campus. The fraternity offers the Balanced Man Project, an opportunity to build academic scholarship and brotherhood through mentoring and community service in a strictly non-hazing environment. The brotherhood is strengthened through chapter experiential learning activities and enhanced ritual ceremonies. As members progress through the many challenges of personal goal attainment, their ability to lead and serve is tested and, through mentoring, nurtured. "You cannot hope to build a better world without improving the individuals."

Sigma Tau Gamma

Sigma Tau Gamma began as Sigma Tau Psi, a local social and service fraternity. Established in 1984, Sigma Tau Gamma promotes brotherhood during the college and post-college years. The organization sponsors a variety of programs and projects annually, many of which serve the surrounding community.

Tau Kappa Epsilon

Tau Kappa Epsilon is a nationally based fraternity with the largest number of active chapters in the country. It was originally founded in 1899 to further develop the mental, moral and social aspects of college men. It was founded at Salisbury State University on February 7, 1987. TKE is known to both the campus and the community for its civic and charitable activities, and helps to develop college students in mind, body and heart through practicing the values of love and charity and developing personal esteem.

Sororities

Alpha Sigma Tau

Alpha Sigma Tau was founded by eight women at Yipsilanti State College in 1899. The sorority seeks to develop the character of each member through a study of ethics illustrating sincerity, honesty, love and understanding; to help each woman enjoy cultural advantage; and to develop in each member the social graces. To join AST, a woman must be rushed according to college regulations, pledged and initiated as prescribed in the Standing Rules of Collegiate Chapters, pay the required fees and sign the ritual book.

Delta Gamma

Delta Gamma was originally founded at Lewis School for Women in Oxford, MS, on Christmas Day in 1873. The founders were three young women learning to weave leadership and team membership, speaking and listening, spontaneity and wisdom, improvement and satisfaction, and sisterhood and friendship. The Zeta Psi chapter at SSU is the newest addition to the Panhellenic system. Delta Gamma supports sight conservation and aid to the blind.

Delta Sigma Theta Sorority Inc., Nu Rho City-Wide Chapter

Delta Sigma Theta was established to form a closer union among college women for the fostering of high ideals and moral, social and intellectual life and to assist members in every possible way. The sorority's goals include working for increased appointments and upgrading women in national, state and local policy-making positions, as well as using their influences to effect positive change for the improvement of all humanity.

Phi Mu

Phi Mu, established at Salisbury State in 1989, is the second oldest sorority in the National Panhellenic Conference. The University chapter is dedicated to providing opportunities for shaping goals, learning leadership skills and sharing ideas. Phi Mu participates in local community service as well as national philanthropic projects (Children's Miracle Network) and social activities with fraternities and other sororities.

Zeta Tau Alpha

Zeta Tau Alpha's main objectives are to promote sisterhood, prepare for service, develop higher qualities of life, intensify friendships and promote happiness of members. ZTA is the third largest sorority in the National Panhellenic Conference and provides lifetime membership. ZTA was founded at Longwood College in Farmville, VA, in 1898 and was officially established at SSU in 1975. To be eligible for membership, one must be a full-time female student with a 2.0 or better grade point average.

Scholastic Standards

Academic Integrity

The foremost virtue upon which the academic life is based is integrity, a faithful and persistent pursuit of the truth. Integrity is a principle which permeates all the activities of the University and which guides the behavior of faculty, students and staff. The spirit of academic integrity denotes adherence to the precept that "one's work is one's own." The process by which integrity is upheld assumes clear communication of University expectations, standards and policies, and clear communication of students' and faculty's rights and responsibilities.

Academic Misconduct

Academic misconduct is a breach of academic integrity which may include, but is not limited to, the following:

1. Plagiarism—presenting as one's own work, whether literally or in paraphrase, the work of another.
2. Cheating on exams, tests and quizzes—the wrongful giving or accepting of unauthorized assistance, the giving or taking of unauthorized exam material and/or the use of illegitimate sources of information.
3. Illicit collaboration with other individuals in the completion of course assignments.
4. The use of fraudulent methods in laboratory, studio, field or computer work.
5. Other acts generally recognized as dishonorable which bear upon academic endeavors.

Procedures for handling cases of academic misconduct are listed in the *Student Handbook*, the *Faculty Handbook* and in the Dean of Students Office.

Good Academic Standing

Students enter Salisbury State University in good academic standing. Students who have received SSU grades and whose Salisbury State University cumulative grade point averages are 2.0 or higher remain in good academic standing.

Unsatisfactory Academic Achievement

Midsemester Deficiency Reports

Students who are performing unsatisfactorily in any course at midsemester are notified of inadequate performance by the course instructor, who also informs the school dean. These midsemester deficiency reports are intended to be helpful notices and are not recorded on students' official transcripts.

Deficit Point System

The number of deficit points represents the approximate number of credit hours which the student needs to improve in order to reach good academic standing. To calculate the number of deficit points for a student whose SSU cumulative grade point average is below 2.0, the Office of Academic Affairs uses these rules; each hour of **D** credit counts as one deficit point; each hour of **F** credit counts as two deficit points; each hour of **B** credit reduces the deficit point total by one; each hour of **A** credit reduces the deficit point total by two; and all other grades (including transfer grades, SSU **C** credits, etc.) are ignored.

Students may reduce deficit point totals by taking new courses and earning grades of **A** or **B**. In addition, because only the most recent SSU grade earned in a course is used to compute SSU grade point averages, students may reduce their deficit point totals by repeating courses with low SSU grades and earning higher SSU grades. Each letter grade of improvement will remove one deficit point for each credit hour of the course. For example, if a student earned an **F** in a three-credit course and subsequently repeated the course and earned a **B**, the student would have improved the original grade by three letter grades and would have reduced the deficit point total by nine deficit points. A student on probation who earns a **B** in a new three-credit course reduces the deficit point total by three.

Academic Probation and Dismissal

Students whose Salisbury State University cumulative grade point average is less than 2.0 acquire deficit points (explained above) and are placed on academic probation or are dismissed.

First Semester Students (Freshman and Transfer)

Academic Probation

Students who acquire one or more deficit points during their first semester are placed on academic probation. Students on academic probation may register for up to 15 credit hours per semester but may not elect to take any courses on a pass/fail basis if the courses are offered for a grade.

Dismissal

First semester students are not academically dismissed during their first semester. During their second semester, students on academic probation who do not earn a semester grade point average of 2.0 are dismissed. During the third and subsequent semesters these students are considered continuing students and are subject to the policies below.

Continuing Students

Academic Probation

Students who accumulate one to 12 deficit points are placed on academic probation. Students on academic probation may register for up to 15 credit hours per semester but may not elect to take any courses on a pass/fail basis if the courses are offered for a grade.

Dismissal

Students who accumulate 13 or more deficit points are academically dismissed. Students on academic probation who do not reduce their deficit points and make a 2.0 grade point average each semester are dismissed. Part-time students on academic probation in a fall or spring semester, or students on academic probation during a winter or summer session, may not increase their deficit point totals or they are dismissed.

Dismissed Students

Dismissed students are allowed to attend the University only as restricted-status students taking no more than seven credit hours per semester. Students dismissed while on probation may apply for *readmission on academic probation* once they have six or fewer deficiency points AND they have fewer deficit points than they had when dismissed. Such students remain on academic probation until they have a grade point average of 2.0 or better. Students dismissed because they accumulated more than 12 deficit points may apply for *readmission on academic probation* once their deficit point totals have been reduced to six or fewer. Dismissed students who have not attended the University for two years but who can demonstrate evidence of good academic promise may apply for *readmission as students on special probation.* Dismissed students who increase their deficit point totals may be denied permission to register for classes at the University.

More detailed information about deficit points, restricted status, academic probation, special probation, academic dismissal and readmission is available from the Office of Academic Affairs.

Academic Clemency Policy

Salisbury State University recognizes that some students may, for a variety of reasons, develop academic records that do not reflect their true abilities. Students who leave the University with poor academic records may wish to receive academic clemency upon their return. To encourage students to try again after an unsuccessful experience, the University is prepared to extend academic clemency.

Clemency may be requested by students who have not attended the University for at least five calendar years. Students seeking clemency must complete a clemency form and may petition to have up to 16 credit hours of D and F removed from the grade point averages. The grades of D and F will remain on the transcript with X beside them. The grade point averages of students who have received clemency will be recalculated to reflect that clemency. Students who receive clemency are eligible to graduate with honors.

Contact the Office of Academic Affairs, Holloway Hall Room 239, (410) 543-6020, for detailed procedures.

Class Attendance

The faculty regards the classroom as the center of University life and students are expected to attend all classes. There are no officially excused absences. In the case of an absence, the student is responsible for all material presented and assigned.

Each instructor provides students with a written attendance policy at the first class meeting.

Absence Notification

In the case of an extreme emergency or prolonged illness, the Dean of Students Office notifies class instructors of the dates of a student's absence from class. It is the responsibility of the student to inform the Dean of Students Office of emergencies and illnesses.

Professors establish their own attendance policy. Notification of absence is a service to students and faculty; it is not an official excuse from classes and work missed.

Waivers of Academic Policies And Procedures

Under unusual circumstances students may wish to seek waivers of academic policies and procedures. In such cases students should consult with their faculty advisors for detailed information about steps for seeking waivers.

Academic Services

Academic Advising

Matriculated students are responsible for their own academic programs and for meeting all University and departmental requirements. To plan coursework effectively, students should familiarize themselves with the academic regulations and programs described in this catalogue.

Academic advisors provide students with pertinent information about their majors and assist in planning their programs of study. Close cooperation and understanding between students and their advisors is to students' advantage. Therefore, students are responsible for seeking out their advisors for aid in solving academic problems, especially before each registration.

Academic advisors are available for all matriculated students. For students who have declared majors, the advisors are faculty in the major department. For students who have not declared majors, academic advisors are assigned from the faculty by the Office of Academic Affairs.

Students must confer with their assigned academic advisors regarding course selection, requirements and other academic matters prior to registration each semester.

Students registered as undergraduate non-degree students are not assigned faculty advisors.

Provisional students are under the direction of the dean of admissions and are assigned advisors in that office.

Restricted-status students attend under the guidance of the director of special academic programs.

Graduate Record Examinations

For the convenience of seniors who wish to qualify for admission to a graduate school, Salisbury State University serves as a National Graduate Record Examinations Center for the October and June testings. Specific testing dates and additional information are available from the Office of the Registrar.

Thomas E. Bellavance Honors Program

The University has established the Bellavance Honors Program to afford highly motivated, able students academic opportunities which will accelerate and enrich their intellectual development. In several academic areas, courses are designated in the academic schedule as Honors courses.

Students enrolled in these courses deal more extensively and intensively with the matter of the course and are required to take an active role in directing the activities of the class.

Students with high academic achievement are encouraged to seek admission to the Honors Program and may take three Honors courses per semester. Recognition of Honors achievement is noted on students' official academic transcripts.

Information is available from the Bellavance Honors Program director.

Learning Center

Located in Caruthers Hall, the Learning Center offers a range of services for students in need of academic assistance. The center provides diagnostic testing, individual and small-group tutoring, self-paced learning programs and formal courses in basic skill areas of reading, writing, mathematics and study techniques. The center is open daily for walk-in or referral visits.

Transcripts

Transcripts of students' records are sent by the Registrar's Office to other educational institutions and organizations only upon the written request of the students. Official transcripts are not issued to individual students or graduates. All financial obligations to the University must be met before transcripts are issued.

Tutoring

Some departments offer tutors to provide extra help for students in lower-division courses. Advanced students work with individuals or small groups to increase understanding of course material. The times and places for these tutoring services are available from the appropriate department chair.

General Studies

General Studies courses provide assistance to students in the areas of reading, career planning, math and study techniques. The offerings are listed in the "Courses" section of this catalogue.

Registration and Student Records

Registrar's Office

The Office of the Registrar, located on the first floor of Holloway Hall, handles registration of all courses and maintains student records. The office publishes the *Registration Bulletin*, which contains a comprehensive calendar, registration procedures and a class schedule for each academic term. The *Final Academic Schedule*, published each semester, contains the final examination schedule and an updated class schedule.

Registration

General Information

To receive academic credit for a course, a student must be officially registered for the course. Students must preregister or register during the periods indicated in the academic calendar or pay a late registration fee. Normally, students are not permitted to enroll full time after the first week of classes. The University reserves the right to discontinue any under-enrolled courses or course sections.

Academic Advisors

Academic advisors provide students with pertinent information about their majors and assist in planning their programs of study. Once students have selected their majors, they are assigned faculty advisors in their major departments. Until majors are chosen, students are assigned advisors by the Office of Academic Affairs. Students are encouraged to make an appointment with their faculty advisors early in the semester to discuss their programs and goals. Students must confer with their assigned academic advisors regarding course selection, requirements and other academic matters prior to registration each semester.

Preregistration

Freshmen are carefully led through their first semester registration during the summer orientation program. In November and April the Registrar's Office has registration/program planning packets available for the following semesters. Resident students' packets are delivered to the campus post office. Off-campus students pick up their packets in the registration area of Holloway Hall. Students are responsible for setting up appointments with their faculty advisors in order to plan their schedules; program planning sheets must be signed by each student's advisor. Summer session and winter term registration occur during the two weeks of program planning as well as designated times just prior to the beginning of the sessions.

Registration by Telephone

Students may register, drop and add courses, identify open sections and obtain a listing of their course schedule via the Gull Line. The Gull Line is a menu-driven telephone student information system students can access dialing (410) 546-6426 for information about financial aid, registration and records, and billing.

In order to register by phone students must first meet with their advisor and receive an advisement identification number. Following the initial entry of this number, students can drop and add classes, or use other registration functions, as they wish. In order to make full use of the telephone system, students should obtain the most recent copy of the *Registration Bulletin* from the Registrar's Office. The telephone information system is available only during the posted times listed in the Registration Bulletin. Please see the *Registration Bulletin* for the appropriate dates and times. Students who have not been formally admitted to the University through the Office of Admissions cannot utilize the Gull Line.

Students who do not elect to use the Gull Line may register and perform other registration functions in the Registration Office.

Priority Drop/Add

Priority drop/add enables students who preregistered for a semester, but were closed out of one or more classes, to adjust their class schedules prior to the start of the semester for which they are registering. For students registering for the fall term, this opportunity takes place during the last week of spring classes. For students registering for the spring term, it takes place during the last week of fall classes. Students who are eligible for priority drop/add are notified by the Registrar's Office.

Drop/Add Period

The drop/add period is defined as the first week of class for courses that meet two or more times per week. For classes that meet only once a week, the drop/add period will extend to the day after the second class meeting. Courses officially dropped during this period do not appear on students' permanent records.

Deregistration from Full Classes

During the drop/add period, instructors of courses with full enrollment may deregister students to make room for other students, provided the students deregistered meet the following criteria:

1. Missed two consecutive class periods during the drop/add period.
2. Have not notified the instructor of intention to remain in the course.

Late Registration

Students registering during the late registration, drop/add period must pay a late registration fee. All students may revise their schedules during this period. Added courses must be paid for immediately. Students who pay after the late registration, drop/add period will be charged a late payment fee in addition to the late registration fee.

Schedule Adjustment Period

After the drop/add period, students may officially withdraw from courses during the schedule adjustment period and receive grades of W. This period extends up to two weeks following midsemester during regular semesters and up to five days past midsemester for summer sessions and winter terms. Students officially withdrawing from the University during this period receive grades of W in each course. After the schedule adjustment period grades of F will be given for all courses not completed unless the students have permission to receive I grades or officially withdraw from the University in the Office of the Registrar. When students officially withdraw from the University, grades of WP (withdraw passing) or WF (withdraw failing) are given by the faculty.

Graduate Credit

Salisbury State University undergraduates within six semester hours of completing requirements for the baccalaureate, with a cumulative GPA of at least 2.75 (3.0 in business) and who have submitted the Application for Admission to Graduate Study and the application fee, may register for up to six hours of graduate credit to be taken concurrently with the remaining courses in the baccalaureate program with the approval of the appropriate program director or department chairs. The hours of graduate credit taken under this arrangement cannot be applied to the undergraduate degree program.

Students who want to register for graduate credit during the last semester of their senior year must do the following:

1. Obtain necessary forms from the Office of the Registrar.
2. Consult with their undergraduate advisors and receive certification that they are within six credits of graduation and that they have a cumulative GPA of at least 2.75 (3.0 in business).
3. In business, English, education, history, nursing and psychology, secure the approval of the program director; for graduate courses in all other departments, secure the approval of the department chair.
4. Submit the signed forms along with their undergraduate registration materials.

Declaration/Change of Major

To ensure that students' education has a firm direction and that students receive guidance and advice from professionals in their field of interest, students are encouraged to declare majors as soon as possible and are required to formally declare majors upon completing 45 semester hours in order to be eligible to register. Students declare or change majors on a Change of Major form, available from the Office of the Registrar. Students may declare more than one major.

Pass/Fail Credit Option

During their junior and senior years, students may take courses on a pass/fail basis, subject to the following conditions:

1. Courses taken on a pass/fail basis may not be used to satisfy General Education, minor or major requirements (with the exception of credit earned by examination, advanced placement courses and field-based practicum courses in education and leisure studies).
2. Students may take as many as four courses under the pass/fail option but may elect only one pass/fail credit course per semester unless a course is offered only on a pass/fail basis.
3. Students on academic probation may not elect to take any courses on a pass/fail basis if the courses are offered for a grade.

The symbols PS and F, denoting successful completion and failure, respectively, will be used for courses taken under the pass/fail credit option. At the time of registration, students must indicate which courses they wish to take on a pass/fail credit basis. Changes in registration, either to or from the pass/fail credit option, are permitted only during the drop/add period.

Auditing Courses

Full fees must be paid for audited courses. Audited courses may not be counted as part of students' loads and may not be applied toward any graduation requirements. Changes in registration, either to or from audit, are permitted only during the drop/add period. Students auditing courses are expected to attend classes or laboratories in accordance with the established class attendance policy. Grades of W are for students who do not attend class.

Repeating Enrollment in Courses

In several instances students may repeat courses and obtain new credit each time they take them. Many departments offer special topics courses in which the material covered varies. Where departments permit, students may take special topics courses more than once and receive new credit each time they satisfactorily complete them. Students also may take performance courses such as University Chorale and Jazz Ensemble more than once for credit.

Students may not receive credit more than once for courses which cover the same content. Thus, while a student may repeat a course for the purpose of improving a grade received, the student can earn only one grade for the course. If a student repeats a course to earn a new grade, the last grade received for the course is used to compute the student's cumulative grade point average, whether that grade is higher or lower than the original grade received.

Credit Hours and Course Loads

Generally, one semester credit hour is given for each class hour per week that a course meets. Students are expected to support each credit hour they take with three hours per week of combined classroom, laboratory and outside study activity. Thus, students enrolled in 15 semester hours should be spending approximately 45 hours a week in class, laboratories and in studying.

In order for undergraduate students to complete most programs at the University in four academic years, the semester load must average 15 credit hours per semester. The maximum load covered by tuition is 19 credit hours per semester. Students registering for more than 19 credit hours per semester must have the approval of the dean of the school in which they are majoring.

Student Records

Classification of Students

Students are classified according to the number of semester hours completed with grades of A, B, C, D or PS as follows:

Freshman	0-29	Junior	60-89
Sophomore	30-59	Senior	90 and above

Students also are designated as follows:

Undergraduate Degree Students

Matriculated students are full-time or part-time degree candidates and are assigned a faculty advisor in an academic department.

Undergraduate Non-Degree Students

Undergraduate non-degree students (UND) are students usually pursuing one or two courses for personal or professional development and are not assigned an advisor. Upon completion of 30 semester hours, these students must apply for admission to the University as matriculated students. There are two types of UND students who are assigned advisors:

1. Provisional students, who are first-time students to the University. They are full-time, non-matriculated students attending under the direction of the dean of admissions.
2. Restricted-status students, who have been academically dismissed but who are permitted to continue to attend the University under the direction of special academic programs. The director assigns these students to advisors.

Full-Time/Part-Time Enrollment Status

Enrollment status (full- or part-time) is determined by the number of credits students have completed or are pursuing. All students enrolled for 12 or more semester hours pay full-time fees and tuition regardless of classification. Students enrolled for 11 or fewer semester hours pay tuition assessed on a per credit basis and pay part-time fees.

Change of Address

Students are required to submit a Change of Address form to the Registrar's Office for any change of current address.

Grading System

The following grades are used to indicate students' achievement in individual courses:

A - Excellent
Denotes superior achievement. The A grade is reserved for outstanding performance.

B - Very good
Denotes high achievement. It is a mark of distinction.

C - Satisfactory
Denotes adequate achievement.

D - Passing
Denotes marginal achievement. The D grade indicates minimal exposure to the principles and techniques presented.

F - Failure
Denotes inadequate achievement. The F grade is also given for late or unofficial withdrawals.

The following symbols are not accompanied by quality points and do not contribute to students' grade point averages. They may, however, appear on students' permanent records and are defined accordingly.

I - Incomplete
Noncompletion of a course due to unavoidable circumstances beyond the student's control. The I automatically becomes an F if coursework is not completed prior to midsemester of the next full semester for which the student is enrolled, or at the end of one calendar year, whichever is earlier.

PS - Pass
A passing grade for credit-bearing courses taught or taken on a pass/fail basis.

S - Pass
Not for University credit—a passing grade in those courses which cannot be applied to undergraduate degree requirements.

CS - Continuing Satisfactorily
Satisfactory progress in a developmental studies course which extends into a subsequent semester.

AU - Audit
Approved attendance without credit.

W - Withdrawal
Official withdrawal from a course during the schedule adjustment period.

WP/WF - Withdrawal Passing/Withdrawal Failing
Official withdrawal from the University after the schedule adjustment period, denoting passing or failing status at the time of the withdrawal.

NR - Grade Not Reported by Instructor

IP - In Progress
Used for grading on-going thesis projects and independent studies.

R - Repeated Course
Preceding a grade, denotes that the course has been repeated: RA, RB, RC, RD, RF.

X - Clemency Grade
Preceding a grade of D or F denotes that the grade has been removed from the grade point average. Credit for the course has been removed from attempted hours (AHRS) and earned hours (EHRS).

Grade Point System

Grade points are not assigned for the I, PS, S, CS, AU, W, WP, WF, NR, IP or X symbols. In addition, courses for which these symbols have been assigned are not considered in computing the semester or cumulative grade point averages. Only grades from Salisbury State University and for credits earned through certain cooperative programs are used in computing grade point averages.

The grade point average (GPA) is calculated as follows:

1. To compute the quality points for each course in which a grade of A, B, C, D or F was earned, mul-

tiply the credit hours for the course by the grade points assigned to the grade. For example:

Course	Credit Hours	Grade	Quality Points
English 101	3	B	9
History 101	3	D	3
Chemistry 121	4	A	16
Math 103	3	C	6
Art 104	3	F	0
	Total 16		Total 34

2. The grade point average for the semester is calculated by dividing the total quality points earned by the number of hours completed (with grades of A, B, C, D or F), as follows:

   = (34 Quality Points)/(16 Quality Hours)
   = 2.12

3. The cumulative grade point average is calculated by dividing the total quality points earned in all semesters by the total credit hours in which a grade of A, B, C, D and F was earned for all semesters.

Transfer of Credit from Other Institutions

Students with acceptable records may be admitted from other regionally accredited collegiate institutions with requirements similar to those of Salisbury State.

General Transfer Policies

1. Grades do not transfer; grade point averages for transfer students are computed only on the basis of coursework completed at Salisbury State. Once a course is taken at Salisbury State University, the SSU grade point average is not affected by repeating the course at another institution.
2. The last 30 hours of coursework must be earned at Salisbury State. However, students enrolled in officially recognized cooperative programs or approved study abroad programs may request to include coursework taken at other institutions in their final 30 hours at the University.
3. Transfer credits are evaluated by the Admissions Office. Such credits may generally be applied to the 120 hours (minimum) of credit required for graduation and, if approved by the appropriate department, may count toward requirements in a major at Salisbury State University. Students may not transfer more than 64 semester hours credit from two-year institutions and these hours may only be applied to credit at the 100/200 level.
4. A student attending Salisbury State in any regular fall or spring semester has until the end of the semester to complete all forms and to have official transcripts of all prior work from other institutions sent to the Admissions Office.
5. Questions concerning the evaluation of transfer credit should be directed to the Office of Admissions. Students may appeal evaluations to the Office of Academic Affairs within the academic year in which the evaluations were made. Transfer evaluations which are more than one year old are not subject to appeal.

Taking Courses at Another Institution

Students enrolled at Salisbury State may transfer courses from other institutions in accordance with the following policies:

1. Courses to be transferred are approved in advance by students' major departments and by the Registrar's Office.
2. The grade for each course transferred is A, B, C or PS where PS was the only grading option.
3. An official transcript of grades earned in the courses to be transferred is sent to the Admissions Office before the end of the next regular spring or fall semester.
4. Courses to be transferred may not fall within the last 30 hours of a student's work. The last 30 hours must be completed at Salisbury State.

Credit earned by students enrolled in the Inter-Institutional Registration Program with University of Maryland System institutions will be accepted as credit earned at Salisbury State University. Coursework and grades earned will be applied toward graduation requirements at Salisbury State and these grades will be counted in the SSU grade point average.

Withdrawal from the University

Students may withdraw from the University as late as 5 p.m. on the last day of classes. Any student who withdraws from the University during any period of instruction must complete a Withdrawal Form obtained from the Registrar's Office. Students who officially withdraw from the University after the schedule adjustment period receive grades of WP or WF to denote status at the time of withdrawal. Students who do not file the official Withdrawal Form forfeit the right to refund of tuition. Students who withdraw must be readmitted to the University before becoming eligible to register.

Readmission

Matriculated students who fail to enroll at the University during a regular fall or spring semester must apply for readmission through the Admissions Office. Students who have been academically dismissed may apply for readmission once they have reduced their deficit point totals to the appropriate levels, or once they qualify for academic clemency (see pages 13 and 47).

Students who have attended other institutions since leaving Salisbury State University must arrange to have official transcripts sent from those institutions directly to the Office of Admissions.

The deadline for applications for fall semester is July 1; for the spring semester, December 1. However, the University reserves the right to close readmission when the enrollment limit has been met.

Transcripts

The Registrar's Office sends transcripts of students' records to other educational institutions and organizations only upon the written request of the students. Official transcripts are not issued to the individual student or graduate. All financial obligations to the University must be met before a transcript is issued. Exit interviews for financial aid loans also must be completed before transcripts are sent.

Graduation Requirements

Student Responsibility For Satisfying Graduation Requirements

The faculty and administration have established the following policies and procedures to guide and evaluate student performances and help ensure quality education at the University.

To graduate from Salisbury State University students must be matriculated and complete approved degree programs. To be matriculated, students must be accepted for admission as degree candidates and enroll in courses.

Matriculated students are responsible for planning their programs to meet University and departmental graduation requirements. As students plan their programs they need to recognize that the catalogue is an information guide and not a contract. The University has the authority to change degree requirements, prerequisites, course schedules, grading systems, fees and related matters. Wherever possible, however, the University implements changes in ways that do not create hardships for students who are already enrolled.

Catalogue Selection

A matriculated student can usually meet University and departmental graduation requirements stated in any University catalogue that meets the following conditions:

1. The catalogue was issued within the seven years preceding the student's graduation.
2. The catalogue was in effect during a semester when the student was either matriculated at Salisbury State University or at a Maryland community college.
3. The catalogue meets all requirements of relevant external agencies.
4. The catalogue does not require the University to adhere to policies or provide services, curriculum or facilities no longer in effect or necessary.

Matriculated students must satisfy all graduation requirements in the catalogue they select.

Application for Degrees

At the beginning of their final academic year, students who are candidates for degrees must complete Application for Graduation forms in the Office of the Registrar. Records of students who apply for graduation are officially audited by the Registrar's Office to show what courses are necessary to complete degree requirements. The results of this audit are available from advisors prior to the first day of the students' final semester. Students who have to postpone graduation must notify the Registrar's Office and may have to file another application form.

Graduation Requirements

To be eligible to graduate, students must meet the following requirements:

1. Be matriculated in the University.
2. Successfully complete at least 120 credit hours of coursework with a *cumulative* grade point average of 2.0 or higher. *Students must take their final 30 credit hours at Salisbury State University (special cooperative programs excepted).*
3. Complete at least 30 credit hours by direct classroom instruction and/or laboratory experience and not through credit by examination.
4. Complete at least 30 credit hours at the 300/400 level with grades of C or better. Transfer students must complete at least 15 hours of their 30 upper-level credits at Salisbury State University (note: other than field-based courses in the Department of Education, courses taken on a PS/F basis do not satisfy this requirement).
5. Satisfy the General Education requirements.
6. Satisfy the requirements in at least one major program of study including the major's required grade point average.
7. Earn grades of C or better in English 101 and English 102.
8. Submit an Application for Graduation form to the registrar by the appropriate date.
9. Make arrangements for the repayment of any outstanding debt.
10. Return all materials borrowed from the library or academic departments.

Minor Programs

Minors are optional for departments to offer and for students to pursue. Minors appear on a student's academic record when completion has been certified by the registrar.

Double Majors

Graduating seniors may simultaneously satisfy the requirements for more than one major and may request that their official transcripts show all the majors completed. Students completing double majors receive a single baccalaureate degree from Salisbury State University.

Second Bachelor's Degree Programs

Taken Sequentially

Graduated students who wish to return to earn a second undergraduate degree at Salisbury State University in a different major must satisfactorily complete a minimum of 30 semester hours of coursework with a cumulative grade point average of 2.0 or better, including at least 15 semester hours with grades of C or better in the major area of concentration. They must also complete all departmental requirements for the major.

Students completing a second bachelor's degree will be eligible to graduate with honors only if they meet all criteria with credits earned after their prior graduation.

Taken Simultaneously

Students who wish to receive two baccalaureate degrees simultaneously from Salisbury State University must satisfactorily complete a minimum of 150 credits and must fulfill the regularly prescribed requirements of both degree programs. As early as possible these students must file, with an advisor in each department involved, a formal program of study showing courses to be offered to meet each degree and the General Education requirements. No later than one full semester before the expected date of graduation, students complete a graduation application indicating the two degrees expected. The subsequent graduation audits will be completed for each degree by advisors in the respective departments.

Credit Exchange and Cooperative Dual-Degree Programs

Credit earned while students are enrolled in either the Credit Exchange Program with the University of Maryland Eastern Shore (UMES) or the Cooperative Dual-Degree programs with UMES and other universities and colleges will be accepted as credit earned at Salisbury State. Coursework and grades earned will be applied toward graduation requirements at Salisbury State and will be counted in the SSU grade point average.

University Writing Proficiency Requirement

Students satisfying graduation requirements must earn grades of C or better in English 101 and English 102.

The faculty believes that the ability to express ideas in a logical, organized and convincing manner is an integral part of a liberal arts education. Students are expected to maintain and continually demonstrate this ability in written assignments. If a faculty member believes a student needs to improve in writing ability, the student may be referred to the Learning Center for diagnostic testing and a planned course of study.

Students who are referred by faculty to the Learning Center must be working on the writing skills programs designed for them in order to enroll in classes for the subsequent semester. Students working on writing skills programs may not graduate until these programs are completed.

Non-Traditional Credit Policies

Advanced Placement Program of the College Entrance Examination Board

The Advanced Placement Program of the College Entrance Examination Board allows exceptional high school students to complete college-level studies prior to entrance into college. Salisbury State University recognizes the Advanced Placement Program and awards college credit to participating students who obtain a score of three or higher on the Advanced Placement Examinations. These credits may be used to satisfy graduation requirements at Salisbury State.

College-Level Examination Program (CLEP)

CLEP is designed to "help people gain recognition for what they know and can do, irrespective of how or where they learn it." Students may qualify for up to 24 semester hours of credit through the CLEP general examinations. Students who have attained competence in college-level subjects through extensive reading or other experiences may gain credit through one or more of the CLEP subject examinations. Provided similar course credit has not already been earned, students may attempt to gain college credit from any of the specified subject examinations (with the exception of nursing and medical technology).

Credit By Examination

Students can demonstrate academic competence through examination and thus gain credit for college-level courses. Up to 60 hours of credit by examination may be applied toward graduation.

Students who have successfully completed advanced courses may not gain credit by examination for lower-level courses in the same subjects or for subjects in which they are enrolled.

Departmental Challenge Examinations

Students who wish to fulfill course requirements and earn credit for a course by challenge examination in lieu of classwork may do so with the approval of the appropriate department chair. A student who has not enrolled at Salisbury State is not eligible to take a challenge examination.

Military Education Credit

Students may receive academic credit for educational experiences in the armed forces. Specific information regarding credit for military education is available in the Registrar's Office.

Salisbury State University High School Advanced Placement Program

The Salisbury State University High School Advanced Placement Program enables the regional high schools to provide college-level work with college credit. The courses in the program are taught by teachers in the high schools and are coordinated by faculty members from Salisbury State. Upon completion of courses, students have the opportunity to take the University examination for the course and thereby gain college credit prior to formal attendance at the University. These credits may be used to satisfy graduation requirements at Salisbury State.

University Curricula

Degree Programs

The University offers undergraduate programs leading to the Bachelor of Arts, the Bachelor of Fine Arts, the Bachelor of Science and the Bachelor of Arts in Social Work. Minimum requirements for graduation include satisfactory completion of 120 semester hours, 45 of which must be in prescribed General Education courses. Some majors require more than 120 semester hours, usually to meet accreditation standards. See the particular department for details.

The University also offers graduate programs leading to the Master of Education, the Master of Education with a major in public school administration, the Master of Arts in teaching (cooperatively with the University of Maryland Eastern Shore), the Master of Arts in English, the Master of Arts in Psychology, the Master of Business Administration and the Master of Science in nursing.

General Education

All students seeking a bachelor's degree from Salisbury State University are required to complete a series of General Education courses. The faculty of the University believe that General Education is an essential element in the University experience and have structured the components of the General Education program to realize both a traditional and a contemporary mission.

The traditional mission is to provide students with a broad experience in the liberal arts. The contemporary mission of General Education is to provide students with a common ground of understanding and competence for meeting the challenges of today's world as educated men and women.

General Education at Salisbury State consists of a minimum of 45 credits organized into four groups of related subject matter.

Group I

Group I coursework is intended to develop students' competence in written and oral expression and to encourage them to appreciate the beauty and truth embodied in the traditional disciplines of the humanities.

Group II

Group II offers courses in the areas of history and social science, affording perspectives and insights into the interaction of humans with each other in a social world.

Group III

Group III involves experiences in the scientific method and the structures on which it is based, and which lead to an appreciation of the interdependence of humans and the natural world.

Group IV

Group IV provides a selection among courses in physical education designed to enhance students' understanding of the body, its movement and the values of fitness.

General Education Requirements

All programs leading to the bachelor's degree include a minimum of 45 credit hours in General Education courses. Some majors designate certain required courses within the General Education courses and students need to check on these requirements with their major departments. The General Education requirements are as follows:

Group I—15 credit hours/five courses

A. Complete the following courses:

ENGL 101 Principles of Composition 3
ENGL 102 Principles of Literature 3
(grades of C or better are required in both ENGL 101 and 102)
LITERATURE 3
(in either the English or Modern Languages department)

B. Select six credit hours from at least two of the following departments:

Art, Communication Arts, Dance, Modern Languages, Music, Philosophy

Group II—15 credit hours/five courses

A. Complete the following courses:

HIST 101 World Civilization I 3
HIST 102 World Civilization II 3

B. Select nine credit hours from three of the following departments:

Anthropology, Economics, History, Human Geography (excluding Physical Geography), Political Science, Psychology, Sociology

Group III—12 credit hours/four courses

A. Select courses with laboratories from at least two of the following four areas (totaling at least six credit hours):

Biology, Chemistry, Geology-Physical Geography, Physics

B. Select one additional course (need not include a lab) from Group III A or Computer Science or Mathematics (totaling at least three credit hours):

Biology, Chemistry, Geology, Physics, Computer Science, Mathematics

C. Select one math course for a total of three credit hours.*

* students fulfilling graduation requirements from a catalogue dated prior to 1996-98 may select a math or science (need not include a lab) or computer science course to fulfill this requirement

Group IV—three credit hours/one course

PHEC 106 Personalized Health/Fitness 3

Majors

The following majors are offered within the University:

- Accounting
- Art
- Biology
- Business Administration
- Chemistry
- Communication Arts
- Economics
- Elementary Education
- English
- Environmental Health
- Fine Arts
- French
- Geography
- History
- Liberal Studies
- Management Information Systems
- Mathematics
- Medical Technology
- Music
- Nursing
- Philosophy
- Physical Education
- Physics
- Political Science
- Psychology
- Respiratory Therapy
- Social Work
- Sociology
- Spanish

MSDE (Maryland State Department of Education) approved teacher education programs are offered in the following areas:

- Biology
- Chemistry
- Communication Arts
- Elementary Education
- English
- French
- History
- Mathematics
- Music K-12
- Physical Education K-12
- Spanish

Specific statements on degrees and requirements are listed under each school's section.

Minors

Salisbury State University provides students with an opportunity to develop special competencies in a variety of areas outside their major fields of study. The University requires that at least 15 hours of the work applied toward a minor must consist of courses which are not used to satisfy General Education requirements, and at least nine of these hours must be credits earned at the University.

Additionally, minors require grades of C or better in all courses applicable to the minor. Minors are offered both in specific departments and in several interdisciplinary areas.

The following minors are available:

- American Studies
- Anthropology
- Art
- Biology
- Business Administration
- Chemistry
- Communication Arts
- Comparative Literature
- Computer Science
- Conflict Resolution and Peace
- Dance
- Economics
- English
- Environmental Studies
- French
- Geography
- German
- Gerontology
- History
- International Studies
- Marketing Management
- Mathematics
- Music
- Philosophy
- Physics
- Planning
- Political Science
- Psychology
- Religious Studies
- Sociology
- Spanish
- Women's Studies/ Gender Studies

Information about minors is available from faculty advisors, departmental offices and the Office of Academic Affairs.

Special Academic Programs

New Student Experience

Salisbury State University's New Student Experience is designed to help new students achieve success in college. It has six equally important components:

University Visits

For high school students, and for college students considering transferring, deciding on a college requires comprehensive information about that college's campus, faculty, staff, students and programs. SSU provides this opportunity at its Saturday Open Houses, held monthly during the academic year. Prospective students also may learn about SSU during weekday visits arranged through the Admissions Office. In either case, prospective students learn what they need in order to make an informed choice.

New Student Orientation

All new students come to the campus for one day in the summer and participate in discussions on campus life, academic and career planning, and registration for the fall semester. Information is provided about financial aid, dining service, housing, parking and student organizations. Some students, depending on their SAT scores, takes tests in reading, writing and mathematics to determine their placement in appropriate academic programs.

Orientation Seminar

All new students and transfer students with fewer than 25 credits enroll in a brief orientation seminar in which they learn important academic skills, become aware of campus services and organizations, and develop supportive relationships with others in the campus community. Students may complete this requirement through several alternative experiences in the summer before beginning their freshman year or in a classroom setting on campus during their first semester at SSU. No credit toward graduation is awarded for this course.

Fall Convocation

Fall Convocation marks the beginning of each academic year. Music, the procession of the faculty in academic regalia and a special address by a faculty member mark this traditional ceremony designed to encourage new students to reflect on the meaning of a college education and the challenges facing them. Fall Convocation is held in the auditorium of Holloway Hall and culminates "Opening Week Activities."

Family Weekend

Family Weekend is planned for the families of new and returning students. Held in October, this event provides parents and spouses an opportunity to visit the campus, meet with professors and staff, sit in on class sessions typical of the University's course offerings and attend special events in order to observe firsthand the transition new students make to University life.

Honors Convocation

Each year during the spring semester, an Honors Convocation is held. At this event, public recognition is given to students who have made outstanding contributions to campus life and who have distinguished themselves academically. Information on all awards is available from the Dean of Students Office.

Liberal Studies

Salisbury State University offers a major in liberal studies which allows students to create for themselves, within certain limits, an individualized curriculum or to undertake a concentrated study in an area in which the University does not offer a formal major.

Students may earn either a Bachelor of Arts or a Bachelor of Science, whichever is deemed more appropriate by the provost.

Liberal studies majors will be assisted by the chair of the liberal studies program or a faculty advisor of their choice. The requirements for a degree in liberal studies can be found in the Fulton School of Liberal Arts section of this catalogue, on page 85. Any student interested in this program should see the chair as early as possible.

Students who wish to major in both a traditional major and liberal studies may not use courses to satisfy graduation requirements in both majors without permission of the chair of the liberal studies program.

Thomas E. Bellavance Honors Program

The Thomas E. Bellavance Honors Program at Salisbury State University offers superior students the opportunity to study together in small discussion-oriented classes which encourage and enable them to become independent learners and active seekers of knowledge rather than merely passive recipients of another person's ideas.

The goal of the program is to provide Honors students with courses offering intellectual breadth as well as depth, and to cultivate in them a desire for the pleasure of active and independent thinking and learning.

Admission

High school students possessing a combined SAT I score of 1250 and a grade point average of 3.25 auto

matically receive an invitation to apply for admission.

SSU students possessing a grade point average of 3.0 after taking 24 hours of college credits are eligible for admission to Honors courses and to the Bellavance Honors Program.

Transfer students who have been active in an Honors Program at the college from which they transfer will be admitted upon request to SSU's program. Those coming with no Honors background will be considered for admission after completing 24 hours of coursework at SSU with a minimum grade point average of 3.0.

For further information, contact Dr. Raymond Whall, (410) 546-6902.

Curriculum

The program offers a variety of courses to satisfy the needs and interests of all Honors students. All courses are available to all students admitted to the program. Some of them, as explained in the next section, are required for students intending to graduate with Honors.

Honors Core Curriculum Courses

There are four courses in the Honors core curriculum which typically students take during their first four semesters in the program:

IDIS 111-Honors Core Course I—Critical Thinking and Writing

Examines the processes for developing and supporting arguments with clear, unambiguous language and methods for evaluating the soundness of arguments.

IDIS 112-Honors Core Course II—The Western Intellectual Tradition I

The scrutiny of major intellectual texts which have shaped Western civilization, from classical Greece to the Renaissance.

IDIS 211-Honors Core Course III—The Western Intellectual Tradition II

A continuation of the examination of major texts of Western culture, from the 17th century to the present.

IDIS 212-Honors Core Course IV—Scientific Knowledge

Analysis of problems in science. Students study how scientific research leads to insights which foster scientific progress, and what methods scientists employ to judge the validity of their insights.

Honors Courses from Designated Departments

Each semester the Bellavance Honors Program's course brochure lists two or three courses offered by various departments—music, math, biology, etc.—which are designed to satisfy General Education requirements while providing students with Honors credit and the Honors experience of small discussion-centered classes with other highly motivated, intellectually curious students.

Honors Interdisciplinary Seminars

These courses, mostly at the 300- or junior-year level, address topics that transcend individual disciplinary boundaries and hence are most profitably examined from a number of different perspectives. Sometimes these courses are team-taught by two or more faculty from different departments; sometimes they are directed by a single faculty member who calls upon the expertise of several guest lecturers; very often they are directed by a single faculty member who selects texts from several disciplines to help students explore the topic from various disciplinary perspectives. These seminars are designed to be of interest to Honors students from a number of disciplines.

Honors Thesis and Honors Thesis Preparation

The Honors Thesis (IDIS 495) is a three-hour course of independent study which culminates in substantial work of original research and scholarship.

The Honors Thesis Preparation (IDIS 490) is a one-credit course of independent study designed to get the thesis project under way.

Curriculum Requirements for Graduating With Honors

Students desiring to graduate with a "University Honors" designation on their transcripts and diplomas will take a minimum of 22 credit hours as follows:

Core Courses (must be taken in sequence)		Credits
IDIS 111	Critical Thinking and Writing (Core I)	3
IDIS 112	Western Intellectual Tradition I (Core II)	3
IDIS 211	Western Intellectual Tradition II (Core III)	3
IDIS 212	Scientific Knowledge (Core IV)	3

If at the completion of the core students have achieved a grade point average of 3.0 in the core as well as in their coursework overall, they are invited to complete the next phase of the Honors graduation requirements:

		Credits
Department Honors Course		3
	(Ordinarily, two departments are invited to offer Honors courses each semester. These courses are advertised in the course brochure published by the Bellavance Honors Program each semester before preregistration.)	
IDIS 311	Honors Interdisciplinary Seminar	3
IDIS 490	Honors Thesis Preparation	1
IDIS 495	Honors Thesis	3

Students graduating with a minimum grade point average of 3.35 who have completed the minimum course requirements above receive the designation "University Honors" on their diploma and transcript.

Honors Courses and General Education Requirements

The four Honors core courses can satisfy a maximum of 12 hours of the 45 required for General Education *if all four courses are taken in sequence.* Students and advisors should remember, however, that if students choose—after taking one, two, or even three Honors core courses—not to take all four, the core courses already taken become elective courses, and the General Education requirements the students assume they had satisfied with the core courses must now be satisfied by taking other General Education courses.

General Education Requirements for Honors Students

Group I—15 credit hours		Credits
A.		
ENGL 101	Principles of Composition	3
ENGL 102	Principles of Literature	3
IDIS 211	Western Intellectual Tradition II (literature requirement)	3
B.	Art, Communication Arts, Dance 202, Modern Languages excluding 101, Music or Philosophy	3
IDIS 111	Critical Thinking and Writing	3
Group II—15 credit hours		
A.		
HIST 101	World Civilizations	3
HIST 102	World Civilizations	3
B.	Anthropology, Economics, History, Human Geography, Political Science, Psychology or Sociology (six credit hours in two disciplines)	6
IDIS 112	Western Intellectual Tradition I	3
Group III—12 credit hours, four courses		
A.	Laboratory Sciences: Biology, Chemistry, Geology-Physical Geography or Physics (six credit hours in two disciplines)	6
B.		
IDIS 212	Scientific Knowledge	3
C.	One mathematics course	3
Group IV—three credit hours		
PHEC 106	Personalized Health/Fitness	3

Cooperative/Dual-Degree Programs

University of Maryland System Inter-Institutional Registration Program

Salisbury State University and UMES have established a Credit Exchange Program for full-time undergraduate students. With the prior approval of both institutions, students at SSU may participate in the program and may enroll in courses which are offered at the University of Maryland Eastern Shore. Students participating in the exchange program pay fees to Salisbury State and the credit which is earned in this program is considered as credit earned at Salisbury State. Grades for courses in the program are used in computing the SSU grade point average.

Students also may attend other University of Maryland System institutions as a part of an Inter-Institutional Enrollment Program. In order to participate, a student must be a full-time student taking at least 50 percent of the course credit at SSU. For additional information, contact the Registrar's Office.

Dual-Degree Engineering Program

Salisbury State University has special agreements with Old Dominion University, Norfolk, VA; the University of Maryland College Park; and Widener University, Chester, PA, to offer a dual-degree program in engineering. Under the program, a student normally attends Salisbury State University for three years and one of the cooperating engineering schools for two years. During the first three years at SSU the student must complete all required General Education courses, all prescribed courses as determined by the particular engineering program and maintain a 3.0 grade point average. Transfer students entering the dual-degree program are required to complete a minimum of 60 semester hours at Salisbury State. Upon successful completion of the five-year program, a student will be awarded a baccalaureate degree from Salisbury State University as well as an appropriate engineering degree from the engineering school attended.

The courses at Salisbury State University which are required for the dual-degree engineering program are described in this catalogue with other programs offered by the Chemistry and Physics departments in the Richard A. Henson School of Science and Technology.

Students in approved dual-degree programs may use credits and grades from the participating institutions as well as Salisbury State University in meeting the requirements for graduating with honors.

SSU/UMES Cooperative Dual-Degree Program (SSU Version)

In addition to the credit exchange program with the University of Maryland Eastern Shore, Salisbury State University and UMES allow students to complete baccalaureate programs at both institutions simultaneously. This cooperative dual-degree program requires a minimum of 150 credit hours; at least 90 of these credits must be counted at SSU and at least 60 must be counted at UMES. The student must satisfy baccalaureate degree requirements at the University of Maryland Eastern Shore for a program of study which is not available at Salisbury State and must also satisfy all requirements in a major offered at SSU. In addition, the following particular requirements apply to this program:

1. The 90 (or more) credit hours of work at Salisbury State must be completed with an SSU grade point average of 2.0 or better; at least 30 of these credits must be taken on the SSU campus (cooperative program credits, examination credits, etc., may not be so counted), and of these, at least 15 hours must be completed at SSU at the 300 or 400 level with grades of C or better.
2. The Salisbury State catalogue, which contains the program requirements the student is satisfying at SSU, may not predate by more than seven years the time of the student's graduation; and the student must have been in attendance at SSU as a matriculated student during a semester in which the catalogue was in effect.
3. The student must satisfy all graduation requirements as stated in an approved SSU catalogue, except those requiring matriculation at the University at the time of graduation and completion of the last 30 hours of work at the University.
4. In order to graduate from Salisbury State with honors, the requirements stated in the catalogue which the student has chosen will be in effect. Only SSU credits are used in computing the SSU grade point average.
5. The student's grade point averages at SSU and at UMES must be 2.0 or better.

Students who participate in the cooperative dual-degree program must register this fact with the departments of their SSU majors. The granting of the baccalaureate degree from Salisbury State University and the granting of the baccalaureate degree from the University of Maryland Eastern Shore will occur when requirements in both degree programs have been satisfied.

SSU/UMES Dual-Degree Program: Biology and Environmental/Marine Science

A dual-degree program in biology and environmental/marine science exists between the University of Maryland Eastern Shore and Salisbury State University. Students from SSU who complete the program will receive a Bachelor of Science in biology from Salisbury State and a Bachelor of Science in environmental science with the marine ecology option from

the University of Maryland Eastern Shore. (See description on page 105 for further details.)

SSU/UMES Dual-Degree Program: Social Work/Sociology

Salisbury State University and the University of Maryland Eastern Shore have established a dual-degree program through which UMES students can earn a Bachelor of Arts in Social Work (B.A.S.W.) from SSU and a Bachelor of Science in sociology from UMES. The program, which can be completed in 129 hours, is accredited by the Council on Social Work Education through SSU.

The program prepares graduates for entry-level professional social work positions, state licensure and graduate education. The program is made possible through the cooperative efforts of the institutions in sharing resources to expand the opportunities for students on both campuses.

SSU Interdisciplinary Minor Studies Programs

American Studies

This minor, which is administered jointly by the History and English departments, consists of the following 18 credit hours:

1. Complete the following core:

		Credits
HIST 412	Social and Cultural History of the United States I (1600-1875)	3
HIST 413	Social and Cultural History of the United States II (1876-present)	3
HIST 375	Topics in American Studies (also cross listed as ENGL 300—Studies in English, to be taken twice under different course titles recorded with the registrar	3

2. Select six credit hours from the following:

		Credits
ENGL 426	Colonial American Literature	3
ENGL 427	The American Renaissance	3
ENGL 457	American Novel I	3
ENGL 458	American Novel II	3

Anthropology

Students must complete 18 semester hours in anthropology and related disciplines with grades of C or better. At least 15 hours of work in the minor must be in courses not applied toward General Education requirements. The minor requires the following coursework:

1. Complete 12 hours from the following core:

		Credits
ANTH 212	Cultural Anthropology	3
ANTH 215	Primitive Religion	3
ANTH 250	Archaeology of Ancient Societies	3
ANTH 350	Physical Anthropology	3
ANTH 355	North American Indian	3
ANTH 450	Comparative Cultures	3
ANTH 459	Seminar in Anthropology	3

2. Select six hours from collateral areas, including the following courses:

		Credits
BIOL 105	Biology and Society	3
or		
BIOL 225	Ecology	4
ENGL 110	Introduction to the Study of Language	3
or		
ENGL 435	Varieties in Language	3
GEOG 105	Introduction to Physical Geography	4
or		
GEOG 202	Cultural Geography	3
HIST 300	Historic Archaeology of Maryland's Eastern Shore	3
HIST 319	Roman History	3
HIST 370	Greek History	3
HIST 395	Material Culture Studies in American History	3
HIST 472	*Studies in Classical Archaeology	3
or		
HIST 474	History of Ancient Egypt	3
HIST 480	Museum Studies	3

* may be taken twice under different course titles

Comparative Literature

Students in this minor, which consists of 15 credit hours, will be advised jointly by the English and Modern Languages departments and must fulfill the following requirements:

1. Complete the following course:

		Credits
ENGL 102	Principles of Literature	3

2. Select six credit hours from the following with at least three credit hours in French literature and three credit hours in Spanish literature:

		Credits
MDFL 300	Studies in French Literature in Translation	3
FREN 350	The Rise and Fall of Sensuality from the Middle Ages to 1700	3
FREN 351	French Literature of Protest in Translation (1700-1970)	3
SPAN 350	The Rebel in Spanish Literature	3
SPAN 351	The Splintered Image: The Individual and Society in 20th Century Spanish and Latin American Literature	3

Conflict Resolution and Peace

This minor involves the completion of 18 credit hours. Individual directed-study courses from various majors may be utilized with the approval of the minor advisor. For more information, contact the Center for Conflict Resolution.

1. Complete the following core:

		Credits
SOCI 225	Sociology of Conflict and Nonviolence	3
or		
POSC 409	The Causes of War	3
IDIS 424	Current Topics in Conflict	3

2. Select 12 credit hours from the following list:

		Credits
ENGL 300	Studies in English: Peace and War in Film and Literature	3
HIST 225	The Holocaust: Extermination of the European Jews	3
HIST 308	Sectional Conflict and Civil War	3
HIST 375	Topics in American Studies: The Nonviolent Tradition in America	3
HIST 380	The American Military Experience	3
HIST 381	World War I	3
PHIL 310	Studies in Philosophy: Philosophy of Violence and Nonviolence	3
POSC 350	Revolution and Political Change	3
POSC 411	International Law	3
POSC 480	Studies in Political Science: International Organizations	3
SOCI 301	Studies in Sociology: The Sociology of Peace and War in Film and Literature	3
SOCI 301	Studies in Sociology: Nonviolent Social Change	3
SOCI 320	Social Movements	3
SOCI 416	Individual Directed Studies: Teaching Peace Internship	3
SOWK 499	Special Topics in Social Work: Mediation of Conflict	3

Environmental Studies

Students in this minor, which consists of 21 credits, must select one course from each of the five areas listed plus two additional courses from any of groups I-IV. The minor also recommends BIOL 101, 121; CHEM 109; and GEOG 103, 105 as part of each student's General Education Group III requirement. For more information contact the minor advisor.

		Credits
I. Views of Nature		
PHIL 318	Environmental Responsibility	3
HIST 386	Wilderness Experience	3
II. Natural Processes and the Environment		
BIOL 225	Ecology	3
MATH 144	Environmental Mathematics	3
GEOG 401	Soil, Water and Environment	3
ENVH 210	Introduction to Environmental Health	3
III. Nature in a Cultural and Historical Context		
ENGL 328	Native American Literature	3
ENGL 222	World Mythology	3
CMAT 320	Environmental Themes in Theatre	3
ENGL 336	The Wilderness in Literature	3
SOCI 390	Sociology of the Environment	3
IV. Public Policy and Environmental Values		
GEOG 288	Environmental Planning	3
PSYC 409	Environmental Psychology	3
POSC 320	Public Policy Analysis	3
GEOG 406	Regional Planning	3
ECON 415	Environmental Economics	3
V. Internship/Field Experience		
IDIS 480	Internship in Environmental Studies	3

Gerontology

The gerontology minor requires the following:

1. Complete the following core:

		Credits
BIOL 219	Biology of Human Aging	3
PSYC 322	Psychology of Aging	3
SOCI 361	Aging and Society	3

2. Select a minimum of nine credit hours from among the following:

		Credits
ECON 340	Economic of Social Issues	3
LEIS 305	Leisure and Special Populations	3
PSYC 323	Psychology of Death and Dying	3
SOWK 350	Social Work with Older People	3
SOWK 405	Field Instruction in Social Work I	5
SOWK 407	Field Instruction in Social Work II	5

Individual directed-study courses from various majors may be utilized with the permission of the coordinator of the gerontology minor. Students are encouraged to organize their elective selections to complement their major academic and/or vocational areas of interest. For detailed information, contact the Sociology Department.

International Studies

This minor, which consists of the following 21 credit hours, requires that students have knowledge of a language and culture different from that of the United States:

1. Complete the following core:

		Credits
POSC 210	Introduction to International Relations	3
ANTH 212	Cultural Geography	3
or		
GEOG 301	World Regions	3
ECON 402	Comparative Economic Systems	3
or		
ECON 411	Economic Development	3
or		
ECON 441	International Economics	3
SOCI 319	Social Change and Social Planning	3

2. Select nine credit hours from among the courses not chosen above and from among the following courses, with no more than three credit hours in any one area:

		Credits
POSC 212	Introduction to African Politics	3
POSC 215	American Foreign Policy	3
POSC 310	Comparative European Government	3
POSC 311	Comparative Government of Developing Nations	3
POSC 312	International Relations of Southern Africa	3
POSC 409	Causes of War	3
POSC 411	International Law	3
POSC 417	Russia and the Soviet Union	3
GEOG 202	Cultural Geography	3
GEOG 310	Regional Geography of Europe	3
GEOG 406	Regional Planning	3
BUAD 422	Management of the Multinational Business	3
BUAD 423	International Marketing	3
BUAD 447	International Financial Management	3
SOCI 320	Social Movements	3
SOCI 322	Population Studies	3
SOCI 329	Medical Sociology	3
ANTH 450	Comparative Cultures	3
HIST	(at the 300 level according to area of concentration or relevant program of study; see minor advisor).	

3. Additionally, students must satisfy the following language and culture component: proficiency through the 202 level of any language offered at SSU; or proficiency through the 102 level of any language taught at SSU and two courses whose primary emphasis is the study of another culture or cultures whether through sociological, philosophical, literary, aesthetic or communication perspectives (or an approved study abroad program). For more information, contact minor advisor.

Planning

This minor requires the completion of 21 credit hours with a minimum of six credit hours at the upper division. The minor in planning provides a structure from which students can devise a curriculum to complement their majors, strengthen and diversify their undergraduate training, enhance the range of career opportunities availabe upon graduation and provide suitable preparation for a graduate degree in urban and regional planning. For detailed information, contact the Department of Geography and Regional Planning.

1. Complete the following course:

		Credits
GEOG 208	Introduction to Planning	3

2. Select at least one course from each of the following six areas:

Planning Theory and Practice:		**Credits**
GEOG 404	Rural Settlement and Land Use	3
GEOG 406	Regional Planning	3
GEOG 408	Urban Planning	3
Methodological and Technical Background:		
COSC 120	Computer Programming	4
GEOG 205	Cartography	4
GEOG 321	Remote Sensing of the Environment	3
MATH 151	Elementary Probability and Statistics	3
MATH 313	Elementary Survey Sampling	3
MATH 314	Intermediate Applied Statistics	3
SOCI 310	Social Research II, Statistical Methods	4
Economic, Finance and Management Background:		
BUAD 311	Financial Management	3
BUAD 320	Management and Organizational Behavior	3
ECON 212	Macro-Economic Principles	3
ECON 211	Micro-Economic Principles	3
ECON 317	Urban Economics	3
ECON 336	Public Finance	3

Physical Environmental Background:

BIOL 220	Humans and Environment (Honors)	4
CHEM 220	Humans and the Environment (Honors)	4
GEOG 220	Humans and the Environment (Honors)	4
BIOL 225	Ecology	4
CHEM 109	Energy and the Environment	4
GEOG 411	Geomorphology	3
GEOG 413	Applied Climatology	3
GEOL 103	Introduction to Physical Geology	3

Political Background:

POSC 110	American National Government	3
POSC 202	State and Local Government in the U.S.	3
POSC 320	Public Policy Analysis	3

Social Background:

SOCI 201	Social Problems	3
SOCI344	Complex Organizations	3
SOCI 324	Community Sociology	3
SOCI 319	Social Change and Social Planning	3
SOCI 361	Aging and Society	3
ANTH 450	Comparative Cultures	3

Religious Studies

This minor offers students the opportunity to study the nature of religion from a variety of scholarly perspectives—anthropology, English, history, philosophy and sociology. Students interested in the minor should contact the Philosophy Department, which coordinates the program.

1. Complete the following core course:

		Credits
IDIS 250	Comparative Religions	3

2. Select a minimum of 15 credit hours from at least three of the following departments:

		Credits
PHIL 325	Philosophy of Religion	3
PHIL 402	The Problem of God	3
PHIL 310	Studies in Philosophy (when the topic deals specifically with religious themes)	3
PHIL 326	Philosophy of Reverence	3
ANTH 215	Primitive Religions	3
ANTH 300	Studies in Anthropology (when the topic deals specifically with religious themes)	3
ENGL 222	World Mythology	3
ENGL 313	The Bible as Literature	3
ENGL 300	Studies in English (when the topic deals specifically with religious themes)	3
ENGL 325	Studies in Film (when the topic deals specifically with religious themes)	3
HIST 210	Introduction to World Religions	3
HIST 215	Topics in History (when the topic deals specifically with religious themes)	3
HIST 375	Topics in American Studies (when the topic deals specifically with religious themes)	3

Women's Studies/Gender Studies

This minor consists of the following 18 credits, with distribution requirements directing students into courses from a minimum of four departments, with no more than six credits in one department:

1. Select one course from each of the areas A-C, comprising the nine-credit core:

		Credits
A Theoretical Perspectives		
ENGL 301	Studies in English: Feminist Theory	3
PHIL 316	Philosophy and Feminism	3
B Historical and Cultural Perspectives		
HIST 377	Changing Role of Women in American Society	3
HIST 378	Women in Modern America	3
C Social and Interpersonal Perspectives		
PSYC 334	Psychology of Women	3
PSYC 336	Psychology of Men	3
SOCI 216	Sociology of Gender	3

2. Satisfy six additional credits from the list below or from the core. One of the courses may be Independent Study in the students' major disciplines. At least one of the two courses must come from a department in which minor courses have not yet been taken.

		Credits
ART 395	Special Topics in Art: Women in Art	3
ENGL 300	Studies in English: American Women Writers of Color	3
ENGL 309	Women in Literature	3
ENGL 325	Studies in Film: Women in Film	
HIST 375	Topics in American Studies	3
PHIL 310	Studies in Philosophy: Feminism and Ethics	3
POSC 204	Topics in Political Science: Women in Politics	3
PSYC 325	Psychology of Sexuality	3
SOCI 301	Studies in Sociology	3

3. Complete the following interdisciplinary capstone course:

		Credits
IDIS 485	Women's Studies/Gender Studies Interdisciplinary Capstone Seminar	3

SSU/UMES Minors

Salisbury State University and the University of Maryland Eastern Shore (UMES) have a cooperative agreement through which students earn minors at either institution. Students should consult with the director of SSU/UMES collaborative programs for the names of department chairs who administer these minors:

Agribusiness (18 credits)
Animal and Poultry Science (18 credits)
Clothing and Textiles (18 credits)
Construction Management (24 credits)
Construction Management: Technical (24 credits)
Fashion Merchandising (18 credits)
Food and Beverage Management (18 credits)
Hotel Administration (18 credits)
Plant/Soil Science (18 credits)
Technology Education Teaching Certificate (36 credits)
Technology Education with a Technical Application for Industry (24 credits)

Study Abroad

Salisbury State University encourages student participation in study-abroad programs. Students should speak with faculty in the area of their study abroad interests to receive information regarding programs, courses and requirements.

Students electing to study abroad in a University-approved program during their senior year may apply up to 30 semester hours of approved transfer credits toward the final 30-hour residency requirement for graduation. Students must complete a minimum of 30 semester hours at Salisbury State University. All other graduation requirements must be met. Forms titled "Request to Study at Another Institution" are available at the Registrar's Office and must be submitted with all required signatures during the semester prior to the semester the student studies abroad. For additional information, please contact the chair of the Department of Modern Languages.

Pre-professional Programs

Pre-law Advisor
Dr. Harry Basehart, Political Science Department
Pre-health Advisor
Dr. Herbert G. Chew, Biology Department

Pre-law Preparation

Successful applicants to law schools must be able to read and comprehend, to think precisely, to analyze complex fact situations, and to speak and write clearly and intelligently. Although these skills can be developed in a number of undergraduate courses, liberal arts majors such as communication arts, English, history, philosophy and political science are good choices. Generally, students preparing to study law should concentrate on courses they find intellectually stimulating and help them to comprehend the complex issues associated with human institutions and values.

In recent years, SSU graduates have attended law school at the University of Baltimore, The Catholic University of America, Georgetown University, University of Maryland, Syracuse University and Wake Forest University. Detailed information on law schools, applying for admission to law school and the Law School Admission Test (LSAT) is available from the pre-law advisor in the Department of Political Science.

In addition, Salisbury State University cooperates closely with the University of Baltimore School of Law and the University of Maryland School of Law to provide counseling to students seeking admission to those institutions. Admissions representatives from both law schools make frequent trips to the Salisbury State campus to meet with interested students. These law schools also provide opportunities for SSU students to attend on-site orientation programs and class visits at their Baltimore campuses, sponsor informational sessions for minority applicants and provide individualized assistance to students seeking information on academic programs, admission standards and procedures, housing and financial aid.

Law School Early Admission Program

A law school early admission program is available through cooperative agreements between Salisbury State University and the University of Baltimore School of Law and the University of Maryland School of Law. Only exceptionally qualified undergraduates gain early admission. The baccalaureate degree is awarded after successful completion of the first year of law school. This program allows students to earn a Juris Doctor degree in six years rather than the customary seven years. Because of the competitive nature of the law school admissions process, Salisbury cannot guarantee early admission to law school. During the third year of undergraduate coursework on this campus, program participants take the LSAT and apply for admission to law school. A minimum of one year in residence at SSU and the completion of 91 credit hours (with the last 30 at SSU) are required for participation in the undergraduate portion of the early admission program. Specific program details, including additional undergraduate requirements, are available from the pre-law advisor.

Pre-health Profession Preparation

Salisbury State students frequently prepare for professional or graduate school programs in medicine, dentistry, optometry, pharmacy, physical therapy, podiatry and veterinary science. In recent years, professional schools attended by SSU graduates have included Johns Hopkins University School of Medicine, University of Maryland School of Medicine, Hahnemann School of Physical Therapy, University of Maryland School of Dentistry, Virginia-Maryland Regional School of Veterinary Medicine, Ohio College of Podiatry and University of Health Sciences College of Osteopathic Medicine.

Students preparing for these professions may major in any discipline. Course selection is important, however, and the appropriate health professions advisor must be consulted early for help in program planning. The following science courses constitute the *minimum* preparation required by most professional schools:

		Credits
BIOL 121	Biological Principles and Processes	4
BIOL 122	Biological Principles and Processes	4
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
PHYS 121	General Physics I	4
PHYS 123	General Physics II	4

In addition to University advisors, health professionals in these areas (constituting a Pre-health Advisory Committee) are available to counsel students. Questions about professional study in the health professions should be directed to the pre-health advisor.

Accelerated Health Programs

Accelerated health programs are available through cooperative agreements between Salisbury State University and regional graduate and professional schools. Following three years of undergraduate preparation on this campus, students may apply for admission to the specific accelerated professional program. Successful candidates receive the baccalaureate degree from Salisbury State University following the first year of study at the professional school. Accelerated programs allow students to obtain a professional degree in seven years rather than the customary eight.

Admission to an accelerated degree program is competitive and admission to Salisbury State University does not guarantee acceptance into an accelerated program. A minimum of two years residence at SSU is required for participation in the undergraduate portion of the accelerated program.

Accelerated Program	Affiliated Institution	Graduate Degree
Dentistry	University of Maryland at Baltimore School of Dental Medicine	D.D.S. (Doctor of Dental Surgery)
Optometry	Pennsylvania College of Optometry	D.O. (Doctor of Optometry)
Osteopathic Medicine	Philadelphia College of Osteopathic Medicine	D.O.M. (Doctor of Osteopathic Medicine)
Podiatric Medicine	Pennsylvania College of Podiatric Medicine	D.P.M. (Doctor of Podiatric Medicine)

Specific details are available in the Office of the Dean of the Henson School of Science and Technology.

Degree Programs

Undergraduate Degrees

The following is a list of majors offered by Salisbury State University. Many of the majors include concentrations and several departments also have minor programs of study. For information on requirements for undergraduate degrees, see "University Curricula" and department sections in this catalogue.

Bachelor of Arts (B.A.)

Art
Communication Arts
Economics
English
French
History
Liberal Studies
Music
Philosophy
Political Science
Psychology
Sociology
Spanish

Bachelor of Arts in Social Work (B.A.S.W.)

Social Work

Bachelor of Fine Arts (B.F.A.)

Art

Bachelor of Science (B.S.)

Accounting
Biology
Business Administration
Chemistry
Elementary Education
Environmental Health
Geography
Liberal Studies
Management Information Systems
Mathematics
Medical Technology
Nursing
Physical Education
Physics
Respiratory Therapy

Graduate Degrees

The following is a list of graduate degree programs offered by Salisbury State University. For information on requirements for graduate degrees, request a copy of the Graduate Catalogue from the Office of the Registrar.

Master of Arts (M.A.)

English
Psychology
Teaching

Master of Business Administration (M.B.A.)

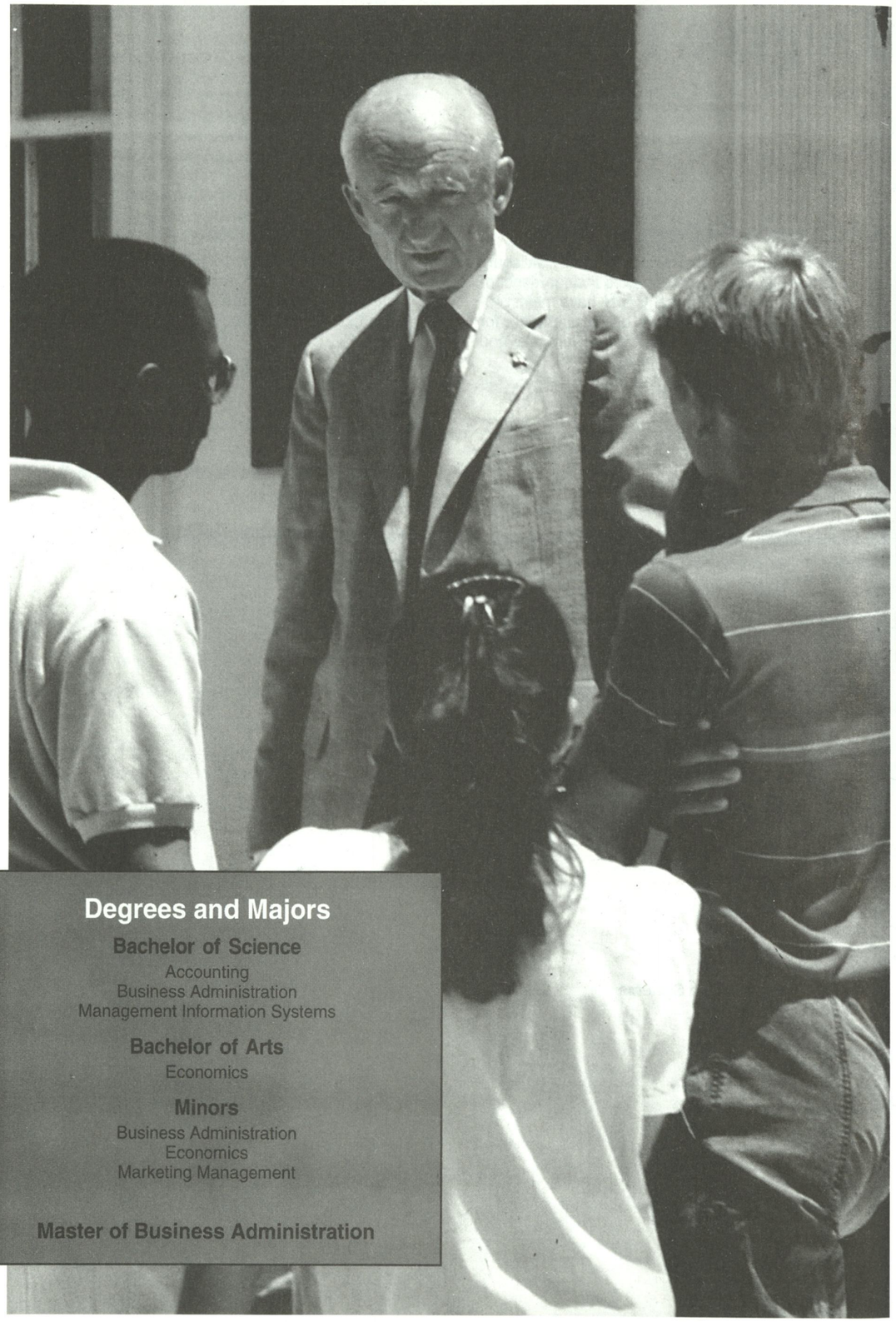
Business Administration

Master of Education (M.Ed.)

Education
Public School Administration

Master of Science (M.S.)

Nursing



Degrees and Majors

Bachelor of Science

Accounting
Business Administration
Management Information Systems

Bachelor of Arts

Economics

Minors

Business Administration
Economics
Marketing Management

Master of Business Administration

Franklin P. Perdue School of Business

Dr. Richard F. Bebee, Dean

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Dean/Associate Dean
Holloway Hall 100, (410) 543-6316

ABLE Program Director
Holloway Hall 100C, (410) 543-6314

Accounting and Legal Studies
Holloway Hall 313, (410) 543-6325

Advising Office
Holloway Hall 113, (410) 543-6097

Economics and Finance
Holloway Hall 306, (410) 543-6328

Information and Decision Sciences
Holloway Hall 109, (410) 543-6212

Management and Marketing
Holloway Hall 107, (410) 543-6094

M.B.A. Program
Holloway Hall 100F, (410) 543-6317

School Information

The Franklin P. Perdue School of Business was established in 1986 through a multimillion dollar fund created to ensure excellence within the academic programs of the school. It is the largest college-level center for business education and development in the region and is committed to an emphasis on the entrepreneurial spirit, integration of theoretical and applied study, and community-based experience. To these ends, the school provides an academic program which responds to the highest standards of business education and provides for student interaction with the business world. Courses are designed to encourage students to think clearly, show sound judgment, communicate verbally and in writing, develop interpersonal skills and make rational decisions under conditions of uncertainty. They also provide students with the ethical and motivational foundations underlying service to business, government and the community.

The Perdue School of Business offers four degrees: the Bachelor of Science in accounting, the Bachelor of Science in business administration, the Bachelor of Science in management information systems and the Bachelor of Arts in economics. The accounting, business administration and management information systems programs have lower (pre-professional) and upper (professional) divisions and require successful completion of lower-division work before admission to each major and before taking upper-division courses in accounting, business administration, management information systems or economics. Within the business administration major, students may specialize in economics, finance, marketing, management or international business, or may design with advisors an individualized curriculum. The economics major requires a program of General Education courses integrated with a core in economics, business administration and mathematics.

The Perdue School offers three minors: business administration, marketing management and economics. The business administration and marketing management minors are not open to business, management information systems or accounting majors. Similarly, the economics track within the business administration major and the economics minor are not open to economics majors.

(See the *Salisbury State University Graduate Catalogue* for details of the school's Master of Business Administration program.)

A unique feature of the Perdue School of Business is the Applied Business Learning Experience (ABLE) program, successful completion of which is a graduation requirement for all students majoring in accounting, business or management information systems. Students must demonstrate that they can translate and effectively use classroom learnings in business, govern-

ment and nonprofit organizations. ABLE provides a variety of experiential learning options: a work-study cooperative program, full and partial immersion internships, community projects and student consulting. For details see the director of the ABLE program.

Philosophic Commitments and Objectives

Consistent with the University mission and the convictions of its faculty, the Franklin P. Perdue School of Business objectives reflect a dedication to students' maximum intellectual growth, active involvement in applied and practical research, and a commitment to community service.

Intellectual Growth

The primary objective of the school is to provide each of its students with an academic environment that fosters the development of a broad intellectual foundation. This foundation is the basis for effective service in professional positions and enables students to assume higher levels of responsibility as they gain experience and demonstrate ability. The faculty believe this objective is met by the development and maintenance of quality curricula, by effective teaching and by conscientious student advising.

Research

The school is committed to stimulating the intellectual growth of its faculty and the broader academic and business community. The faculty actively pursue applied and practical research that expands their knowledge of business and economic activities as well as more theoretical research.

Community Service

The school serves the interests of the broad community through management development programs, consulting activities, publication of studies vital to the economic growth of the area and professional participation in volunteer organizations. These activities are conducted by the school's Small Business Institute, Small Business Development Center, Lower Eastern Shore Regional Technology Council, Perdue Center for Professional Development, Mid-Atlantic Sales and Marketing Institute, European American Business Institute, Center for Economic Education.

General Information

Non-Degree Seeking Students

The Perdue School serves non-degree-seeking students by allowing them to enroll directly in both lower- and upper-division courses. Students who do not meet specific course prerequisites must obtain approval from the associate dean of the Perdue School of Business before enrolling.

Students Seeking Degrees in Programs Other Than Accounting, Business Administration Or Management Information Systems

The Perdue School welcomes students from other disciplines in lower-division classes and can accommodate a limited number of these students in upper-division (300/400-level) courses as the school's professional-program students are given priority. Because the Perdue School cannot guarantee that non-majors will be able to enroll in ACCT/BUAD/ECON/ISMN courses during any specific semester, students from other disciplines with programs that require upper-division Perdue School courses should plan ahead as far as possible and secure the permission of their advisors and the director of undergraduate studies of the Perdue School of Business for the ACCT/BUAD/ECON/ISMN portion of their programs.

Maximum Credit Hours Applicable To Graduation

The maximum number of credit hours in accounting, business administration or management information systems that students *not* majoring in these areas can apply toward graduation is 25 percent of total earned hours (e.g. 30 of 120 hours). Students planning to take 18 or more hours of business administration courses should discuss with their advisors the desirability of seeking a minor in business administration or marketing management.

The maximum number of credit hours in accounting, business administration and management information systems that students majoring in these areas can apply toward graduation is 60 percent of total earned hours (e.g. 72 of 120 hours). To ensure that business majors receive a balanced education, at least 40 percent of total earned hours (e.g. 48 of 120 hours) must be taken outside accounting, business administration and management information systems.

Transfer Credits

Students who wish to enroll in courses at other institutions and transfer credits to satisfy Perdue School requirements must first submit a properly completed Request to Study at Another Institution form to the Perdue School's director of academic services. Approval forms will then be submitted to a University transfer counselor for additional authorization and processing. (Students are further directed to the University's transfer guidelines located in the "Registration and Student Records" section of this catalogue.)

Repeating Courses

Courses repeated to fulfill a Perdue School major or minor requirement must be repeated at Salisbury State University. For example, students who repeat required courses to improve D or F grades must take those courses at Salisbury State University.

The Pre-professional Program: Freshmen And Sophomores Seeking a Major In Accounting, Business Administration Or Management Information Systems

Perdue School courses of study in accounting, business administration and management information systems consist of a pre-professional program for freshmen and sophomores and a professional program for juniors and seniors. The preprofessional program consists of 28 hours of coursework designed to prepare students for their upper-level coursework.

Pre-professional Program Requirements

The following courses make up the pre-professional program. These courses should be completed during the freshman and sophomore years in preparation for entrance into the professional programs of the Franklin P. Perdue School of Business:

		Credits
ACCT 201	Principles of Accounting I	3
ACCT 202	Principles of Accounting II	3
BUAD 248	Legal Environment	3
BUAD 281	Intermediate Business Statistics: Application and Analysis	3
CMAT 100 or CMAT 205 or CMAT 260	Fundamentals of Communication / Interpersonal Communication / Fundamentals of Organizational Communication	3
ECON 211	Micro-Economic Principles	3
ECON 212	Macro-Economic Principles	3
ISMN 111	Business Microcomputer Use	1
MATH 151	Elementary Probability and Statistics	3
MATH 160 or MATH 201	Introduction to Applied Calculus / Calculus I	3 / 4

Curriculum Guide: Pre-professional Program

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
MATH 160	*Introduction to Applied Calculus	3
	Group IIB Elective	3
	Group IIIA Elective	4
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
MATH 151	Elementary Probability and Statistics	3
PHEC 106	Personalized Health/Fitness	3
ISMN 111	Business Microcomputer Use	1
	Group IIIA Elective	4
		17
SOPHOMORE YEAR		
ACCT 201	Principles of Accounting I	3
BUAD 248	Legal Environment	3
BUAD 281	Intermediate Business Statistics	3
ECON 211	Micro-Economic Principles	3
	Group IB or IIB Elective	3
		15
ACCT 202	Principles of Accounting II	3
ECON 212	Macro-Economic Principles	3
CMAT XXX	100, 205 or 260	3
ISMN 211	Information Concepts for Management	3
or		
	Elective	3
	Group IB or IIB Elective	3
		15

* some students may have to take MATH 102: College Algebra in preparation for calculus

The Professional Program: Juniors and Seniors Seeking a Major in Accounting, Business Administration or Management Information Systems

The professional program consists of (1) an upper-division core of six courses which must be taken by all accounting, business administration and management information systems majors; (2) a set of special requirements for each major and concentration/track; and (3) a set of specific course requirements unique to the major and concentration/track that the student is pursuing. In order for students to take courses in the professional program, they must apply and be admitted. Specific instructions for applying follow. Coursework and other requirements associated with specific majors and concentrations/tracks are grouped according to accounting, business administration or management information systems.

Application for the Professional Program

Students wishing to apply to the professional program of the Franklin P. Perdue School of Business must do the following:

1. Submit an application by December (for the next spring term) or May (for the next fall term).
2. Prepare to satisfy the following requirements by the start of the next semester.
   a. Complete 60 credit hours, with a minimum of 22 hours from the preprofessional core (see above), including:

		Credits
ACCT 201	Principles of Accounting I	3
ECON 211 or ECON 212	Micro-Economic Principles / Macro-Economic Principles	3
ISMN 111	Business Microcomputer Use	1
MATH 151	Elementary Probability and Statistics	3
MATH 160 or MATH 201	Introduction to Applied Calculus / Calculus I	3 / 4

   b. Attain a GPA of 2.5 or higher in the core courses already taken.
   c. Receive no more than two D grades in the pre-professional core courses already taken (no more than one D grade in economics core courses and no more than one D grade in accounting core courses).
3. Submit an application for admission to the professional program—students whose applications are not approved will be deregistered from 300/400-level Perdue School courses in which they may have enrolled. (This restriction applies only to students seeking majors in accounting, business administration or management information systems.)

Retention

Once admitted to the Perdue School's professional program, students must do the following:

1. Complete the pre-professional core within the next 15 credit hours of study or be disenrolled automatically from the professional program.
2. Receive no more than two D grades in the total pre-professional program core (no more than one D in accounting courses and no more than one D in economics courses).
3. For business administration majors, receive no more than one D in upper-division business coursework and special requirements (international course, ISMN 211 and ABLE) and have at least a C average in this group of courses.
4. For accounting and management information systems majors, have a C or above in all upper-division accounting/management information systems major coursework, have no more than one D in upper-division core and special requirements (international course, ISMN 211, ACCT 420 and ABLE), and have at least a C average in upper-division core accounting/management information systems and special requirements.
5. Maintain a 2.0 grade point average. (Students whose cumulative grade point averages fall below 2.0 and do not return to 2.0 within the next consecutive 12 semester hours will be disenrolled from the professional program.)

Appeals for exceptions to this policy must be made in writing to the associate dean of the Perdue School.

Accounting

Professors
Jerome J. DeRidder, Ph.D.; *financial accounting*
Kenneth J. Smith, D.B.A., CPA-MD; *accounting pedagogy, managerial cost control, CPA firm work environment*
Associate Professors
Robert F. Dombrowski, D.B.A., CPA-MD (chair, Accounting and Legal Studies Department); *accounting, auditing*
Robert Michael Garner, Ph.D., CPA-IN; *advanced/governmental/international accounting, accounting information systems*
P. Douglas Marshall, M.S., CPA-MD; *financial/managerial accounting*
Lecturer
Joseph Quinn, M.B.A., CPA-MD, D.C. (VITA coordinator); *accounting, income tax*

The Department of Accounting and Legal Studies offers a program leading to a Bachelor of Science in accounting, affording career opportunities in public, private, not-for-profit and/or governmental accounting. The program meets the current Maryland eligibility requirements for taking the Uniform CPA Examinations.

The accounting curriculum consists of a lower-division (*pre-professional*) core, upper-division (*professional*) core, *special requirements* and accounting *major requirements*. Pre-professional accounting majors acquire a common body of knowledge essential to the successful completion of the professional program coursework.

Major in Accounting

Students majoring in accounting must meet the following requirements:

1. Complete the *pre-professional core* requirements (see page 68) plus the following core courses with a minimum B average (3.0 GPA):

		Credits
ACCT 201	Principles of Accounting I	3
ACCT 202	Principles of Accounting II	3

as a prerequisite for:

		Credits
ACCT 304	Intermediate Accounting	3

2. Complete the following *professional core*:

		Credits
BUAD 311	Financial Management I	3
BUAD 320	Management and Organizational Behavior	3
BUAD 326	Production and Operations Management	3
BUAD 330	Principles of Marketing Management	3
BUAD 420	Business and Society	3
BUAD 492	Strategic Management	3

3. Satisfy the following *special requirements*:

International Requirement
One of the following courses:

		Credits
BUAD 385	Business in its Global Setting	3
BUAD 422	Management of the Multinational Business	3
BUAD 423	International Marketing	3
BUAD 447	International Financial Management	3
ECON 441	International Economics	3
ISMN 465	Global Information Technology Management	3

Management Information Systems Requirement

		Credits
ACCT 420	Accounting Information Systems	3

ABLE Requirement
The applied business learning experience (ABLE) is normally completed during the senior year and can be met through either an internship or experiential project.

Internships are normally completed off campus at a variety of businesses, government or not-for-profit organizations. For an internship to satisfy the ABLE requirement, it must be completed as part of enrollment in the following course:

		Credits
BUAD 490	Business Internship	3

and must involve the student in working with an organization in a planned, progressive-development program for a minimum of 120 hours over a 10-week period.

Experiential projects provide students with applied business learning experiences and are associated with the following course:

		Credits
ACCT 341	Personal Federal Income Tax Accounting	3

plus community service through qualifying participation in the Volunteer Income Tax Assistant Program (VITA).

For additional information concerning ABLE program requirements, students should see the program director in the Perdue School of Business.

Admission Test
Accounting students must pass the Accounting Program Admission Test (APAT) prior to enrolling in ACCT 305. Information is available from the Accounting Department.

4. Complete the following *major requirements* with grades of C or better (with approval of the chair of the Accounting Department, up to six credit hours of comparable courses may be transferred from American Assembly of Collegiate Schools of Business [AACSB] member schools):

		Credits
ACCT 302	Cost Accounting I	3
ACCT 304	Intermediate Accounting I	3
ACCT 305	Intermediate Accounting II	3
ACCT 341	Federal Income Tax Accounting: Personal	3
ACCT 403	Advanced Accounting I	3
ACCT 407	Auditing I	3
ACCT 420	Accounting Information Systems	3
BUAD 348	Business Law	3

plus one of the following courses:

		Credits
ACCT 342	Federal Income Tax Accounting: Partnership and Corporation	3
ACCT 401	Integrated Accounting Systems	3
ACCT 404	Advanced Accounting II	3

Curriculum Guide: Bachelor of Science in Accounting

The following is a sample sequence of upper-level courses for students accepted into the professional accounting program. Because of the timing of courses, prerequisites, etc., curriculum planning is essential. Students interested in accounting should see the director of academic services to be assigned an advisor.

JUNIOR YEAR		Credits
ACCT 304	Intermediate Accounting I	3
BUAD 320	Management and Organizational Behavior	3
BUAD 330	Principles of Marketing	3
ACCT 341	Federal Income Tax Personal	3
BUAD 311	Financial Management I	3
		15
ACCT 302	Cost Accounting I	3
ACCT 305	Intermediate Accounting II	3
BUAD 420	Business and Society	3
BUAD 326	Production and Operations Management	3
	Elective	3
		15
SENIOR YEAR		
ACCT 403	Advanced Accounting I	3
ACCT 420	Accounting Information Systems	3
	General Electives	6
	International Requirement	3
		15
BUAD 348	Business Law	3
BUAD 492	Strategic Management	3
	Accounting Elective	3
ACCT 407	Auditing I	3
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Business Administration

Professors
Richard Cuba, D.B.A.; *management/organizational development, creativity/decision-making, group/team building, total quality management*
Wayne Decker, Ph.D. (chair, Management and Marketing Department); *organizational behavior*
Robert B. Settle, Ph.D.; *consumer behavior, marketing research, direct marketing, retailing*
Frank M. Shipper, Ph.D.; *strategic management, organizational behavior*
Associate Professors
Pamela L. Alreck, D.B.A.; *advertising/promotion, marketing research, consumer behavior, direct marketing*
Zakri Y. Bello, Ph.D.; *financial management, investments, security analysis*
Memo Diriker, D.B.A.; *personal selling/sales management, marketing management/ strategy, international/database marketing*
Richard C. Hoffman IV, Ph.D.; *international/strategic management*
Khashayar "Kashi" Khazeh, Ph.D. (chair, Economics and Finance Department; *international financial management, financial institutions/markets, financial management*
H. Reed Muller, M.B.A. (marketing coordinator/ABLE director); *marketing/sales/management, hospitality industry marketing*
George C. Rubenson, Ph.D. (associate dean, Perdue School); *human resources/strategic management*
Assistant Professors
Susan C. Cabral, J.D.; *commercial/corporate law, logic*
Gerard R. DiBartolo, Ph.D.; *international/strategic marketing, marketing research*
Denise R. Fernandez, Ph.D.; *human resources management, organizational behavior*
Robert M. Spery, J.D.; *legal environment*
Dogan Tirtiroglu, Ph.D.; *corporate/real estate finance, market efficiency, treasury bonds*
Lecturers
Wayne Bradford, M.B.A.; *marketing management strategy, management/organizational behavior, retail management*
Sumathy Chandrashekar, M.B.A.; *statistics, management science*

The Bachelor of Science in business administration offers programs providing a broad foundation in the business environment and the operation of organizations while permitting in-depth preparation in one of five functional areas: finance, management, marketing, economics or international business. Students may also design an individualized sequence with the guidance of their faculty advisors and approval of the Perdue School's associate dean.

The business administration curriculum consists of a lower-division (*pre-professional*) core, upper-division (*professional*) core, *special requirements* and business administration *concentration/track requirements*. Pre-professional business administration majors acquire a common body of knowledge essential to successful completion of the professional program coursework.

Major in Business Administration

Students majoring in business administration must meet the following requirements:

1. Complete the *pre-professional core* requirements (see page 68).
2. Complete the following *professional core*:

		Credits
BUAD 311	Financial Management I	3
BUAD 320	Management and Organization Behavior	3
BUAD 326	Production and Operations Management	3
BUAD 330	Principles of Marketing Management	3
BUAD 420	Business and Society	3
BUAD 492	Strategic Management	3

3. Satisfy the following *special requirements*:

International Requirement
One or more of the following courses:

		Credits
BUAD 385	Business in its Global Setting	3
BUAD 422	Management of the Multinational Business	3
BUAD 423	International Marketing	3
BUAD 447	International Financial Management	3
ECON 441	International Economics	3
ISMN 465	Global Information Technology Management	3

Management Information Systems Requirement

		Credits
ISMN 211	Information Systems Concepts for Management	3

ABLE Requirement
The applied business learning experience (ABLE) is normally completed during the senior year and can be met through either an internship or experiential project.

Internships are normally completed off campus at a variety of businesses, government or not-for-profit organizations. For an internship to satisfy the ABLE requirement, it must be completed as part of enrollment in the following course:

		Credits
BUAD 490	Business Internship	3

and must involve the student in working with an organization in a planned, progressive-development program for a minimum of 120 hours over a 10-week period.

Experiential projects provide students with applied business learning experiences and are associated with the following courses:

		Credits
BUAD 428 and BUAD 429	Entrepreneurship and Small Business Consulting	3
BUAD 438	Marketing Research	3
BUAD 443	Essentials of Real Estate	3
ECON 460	Applied Economics Workshop (for ECON track students only)	3

For additional information concerning ABLE program requirements, students should see the program director in the Perdue School of Business.

4. Fulfill the requirements of one of the following *concentrations/tracks* in business administration with no more than one D grade in the required professional business administration program courses. Additionally, a minimum C grade average must be maintained for all required courses in business administration. Specialization courses should be taken at Salisbury State University. With the approval of the appropriate department chair, up to six hours may be transferred from AACSB-member schools.

Finance Concentration

Students in the finance concentration prepare for careers in large and small organizations and in financial institutions such as commercial banks, savings and loan associations, real estate and stock brokerage firms. While larger organizations often have immediate financial-management openings in their financial/planning divisions, small organizations often combine finance and accounting functions. Therefore, students who take the finance concentration may want to take additional courses in accounting. Finance students are strongly encouraged to take either ECON 306: Intermediate Micro-Theory or 307: Managerial Economics in their junior year even though these courses are not concentration requirements.

The following courses are required for the finance concentration:

		Credits
BUAD 440	Financial Management II	3
BUAD 441	Investments I	3
BUAD 445	Financial Institutions and Markets	3
BUAD 447	International Financial Management	3

In addition, at least two courses must be chosen from the following list:

		Credits
ACCT 302	Cost Accounting I	3
or		
ACCT 304	Intermediate Accounting I	3
or		
ACCT 306	Managerial Accounting	3
BUAD 312	Risk Management and Insurance	3
BUAD 333	Sales Management I	3
BUAD 385	Business in its Global Setting	3
BUAD 442	Investments and Security Analysis II	3
BUAD 443	Essentials of Real Estate	3
ECON 305	Intermediate Macro-Theory	3

Management Concentration

The management concentration offers a general approach to the management of employees, finances, raw materials and information. Managers must be able to motivate and guide individuals in the appropriate direction for the good of the firm. Management also may involve setting goals, planning and overseeing the entire work effort of the employees.

The following courses are required for the management concentration:

		Credits
BUAD 425	Applied Organizational Science	3
BUAD 460	Managerial Decision Support Systems	3

In addition, at least four courses must be chosen from the following list:

		Credits
ACCT 306	Managerial Accounting	3
or		
ACCT 302	Cost Accounting I	3
BUAD 322	Labor-Management Relations	3
BUAD 345	Purchasing and Materials Management	3
BUAD 360	Government Regulation of Business	3
BUAD 380	Management Science	3
BUAD 385	Business in its Global Setting	3
BUAD 421	Management of Nonprofit Organizations	3
BUAD 422	Management of the Multinational Business	3
BUAD 427	Human Resource Management	3
BUAD 428	Entrepreneurship	3
BUAD 429	Small Business Consulting	3

Marketing Management Concentration

Marketing employment opportunities are found in virtually all organizations: producer and manufacturing firms, distribution enterprises such as wholesalers and retailers, service suppliers and research agencies. Increasingly, positions are available in government agencies, hospitals, charitable and religious groups, and educational institutions. Marketing personnel are typically classified as sales management or marketing staff who work in advertising, sales promotion, product planning, marketing research, purchasing, transportation and public relations.

The following courses are required for the marketing concentration:

		Credits
BUAD 430	Marketing Management Strategy	3
BUAD 438	Marketing Research	3

In addition, at least four courses must be selected from the following list:

		Credits
BUAD 331	Promotion Management	3
BUAD 332	Buyer Behavior	3
BUAD 333	Sales Management I	3
BUAD 334	Principles of Retailing	3
BUAD 345	Purchasing and Materials Management	3
BUAD 385	Business in its Global Setting	3
BUAD 401	Business Marketing	3
BUAD 423	International Marketing	3
BUAD 433	Sales Management II	3
BUAD 439	Senior Marketing Seminar	3

Economics Track

A specialization in economics prepares business administration majors to apply the scientific approach to cause and effect relationships affecting the performance of the business enterprise and its impact on society's living standards.

Coursework focuses on understanding and measuring the consequences of public policies and regulations; the behavior of consumers, competitors and other important groups; and the firm's own decisions. The emphasis on analytical skills and empirical methodology provides a strong foundation for students interested in graduate study in business and for those with career interests in economic research or forecasting in either business or government.

The following courses are required for the economics track:

		Credits
ECON 305	Intermediate Macro-Theory	3
ECON 306	Intermediate Micro-Theory	3
ECON 441	International Economics	3

In addition, at least three courses must be chosen from the following list:

		Credits
ECON 300	Economic History of the United States	3
ECON 310	Economics of Health Care	3
ECON 331	Money and Banking	3
ECON 336	Public Sector Economics	3
ECON 370	Industrial Organization	3
ECON 381	Labor Economics	3
ECON 402	Comparative Economic Systems	3
ECON 411	Economic Development	3
ECON 415	Environmental Economics	3
ECON 420	Economics of Natural Resources & Agriculture	3
ECON 430	Econometrics	3
ECON 460	Applied Economics Workshop	3

International Track

As a growing number of large and small U.S. firms transact a portion of their business through international channels, business administration graduates are becoming increasingly involved with international aspects of business. This track allows students to gain the knowledge and skills required for international business careers, while developing their understanding of the mechanisms and institutions of international business.

Since the Perdue School's curriculum allows multiple majors, concentrations and tracks, students may combine such areas as accounting, finance, marketing, management and information systems management with international business, giving themselves an international business education.*

The following are required for the international track:

		Credits
ECON 441	International Economics	3
BUAD 422	Management of the Multinational Business	3
BUAD 423	International Marketing	3
BUAD 447	International Financial Management	3

At least two courses must be chosen from the following list:

		Credits
BUAD 333	Sales Management I	3
BUAD 385	Business in its Global Setting	3
BUAD 425	Applied Organizational Science	3

BUAD 440	Financial Management II	3
BUAD 441	Investments I	3
BUAD 445	Financial Institutions & Markets	3
BUAD 430	Marketing Management Strategy	3
BUAD 438	Marketing Research	3
BUAD 460	Managerial Decision Support Systems	3
BUAD 427	Human Resource Management	3
ISMN 455	Advanced Microcomputer Applications	3
ACCT 302	Cost Accounting I	3
ACCT 304	Intermediate Accounting I	3
ECON 411	Economic Development	3
ECON 402	Comparative Economic Systems	3

plus two years of foreign language** (to be satisfied either through courses or qualifying exams).

At least one course must be chosen from the following list:

		Credits
GEOG 301	World Religions	3
GEOG 310	Regional Geography of Europe	3

and one from the following list:

		Credits
POSC 411	International Law	3
POSC 310	Comparative European Government	3
POSC 311	Comparative Government of Developing Nations	3

* only two courses can be used to satisfy multiple majors or concentrations/tracks
** may satisfy General Education requirements

Individualized Track

Business administration majors desiring flexibility can construct tracks that are broad and general, entrepreneurial/small business-oriented, or specialized. Individualized curricula must consist of at least 18 credit hours of 300/400-level courses beyond those required for the major, chosen with the guidance of the faculty advisor and approved by the Perdue School's associate dean. Courses, including at least one of the following, should be selected upon entrance in the professional program:

		Credits
ACCT 302	Cost Accounting I	3
BUAD 438	Marketing Research	3
BUAD 440	Financial Management II	3
BUAD 460	Managerial Decision Support Systems	3

Minors in Business Administration And Marketing Management

Students not majoring in accounting, business administration or management information systems may minor in two areas through the Perdue School of Business: business administration and marketing management.

Each minor consists of 18 credits, 15 of which cannot be used to satisfy General Education or Perdue School major requirements, and a minimum of nine of which must be taken at Salisbury State University. Each course in the minor must be completed with grades of C or higher.

Business Administration

This program provides general exposure to business administration. By completing a minimum number of additional prescribed courses (see the Business School's director of graduate programs), students should be academically prepared for graduate study in business and could complete the requirements for an M.B.A. in two years.

Students must take six of the following courses, including all prerequisites:

		Credits
ACCT 201	Principles of Accounting I	3
ACCT 202	Principles of Accounting II	3
BUAD 320	Management and Organizational Behavior	3
BUAD 330	Principles of Marketing Management	3
BUAD 311	Financial Management I	3
ECON 211	*Micro-Economic Principles	3
ECON 212	*Macro-Economic Principles	3

* ECON 211 or 212 may be used to satisfy General Education IIB requirements

Marketing Management

This program provides a survey of marketing management education and is excellent preparation for careers in promotion management (advertising and sales), fashion merchandising, retail management, purchasing distribution, public relations, etc., as well as operating a small business. It is *not* recommended as preparation for graduate study in business administration (see business administration minor). The required courses of the minor are:

		Credits
BUAD 103	*Introduction to Business	3
BUAD 330	Principles of Marketing Management	3
ECON 211	**Micro-Economic Principles	3
or		
ECON 212	**Macro-Economic Principles	3

plus any three of the following electives:

		Credits
BUAD 320	Management and Organizational Behavior	3
BUAD 331	Promotion Management	3
BUAD 333	Sales Management	3
BUAD 334	Principles of Retailing	3
BUAD 428	Entrepreneurship	3

* not open to students concurrently enrolled in, or with academic credit for, any 300/400-level BUAD/ACCT/ISMN courses (such students are to substitute BUAD 248: Legal Environment)
** ECON 211 or 212 may be used to satisfy General Education IIB requirements

Curriculum Guide: Bachelor of Science In Business Administration

For a sample sequence of pre-professional requirements for all Perdue School students, see page 68. Because of the timing of courses, prerequisites, etc., curriculum planning for students in any of the business administration programs is essential. Students should see reverse of their concentration/track checksheets for suggested curriculum guides.

Economics

Associate Professors
Benjamin B. Greene Jr., Ph.D.; *macroeconomics, economic development, labor* economics
Kashi Khazeh (chair)
Scott N. Ralston, Ph.D.; *environmental economics, econometrics, personal finance*
Assistant Professor
Evan Kraft, Ph.D.; *macroeconomics, comparative systems, international economics, money/banking*
M. Melinda Pitts, M.E.; *health care economics, econometrics*
Kamal Upadhyaya, Ph.D.; *micro/macro/international economics, industrial organization/regulation*

Economics is the study of the factors determining our material living standards. It involves analysis of human values and behavior, the operations of public and private institutions, the limitations of technology and natural resources, and the legal-political framework within which all are required to operate.

The Department of Economics and Finance's Bachelor of Arts program combines a solid foundation in contemporary economic theory with the opportunity to analyze a wide range of issues important to the material well-being of society. The emphasis on applying carefully reasoned analysis to questions of personal choice and public policy makes this program a valuable preparation for careers in education, law, research or administration, as well as employment in business, government or international agencies.

Major in Economics

Students majoring in economics must meet the following requirements with grades of C or better:

1. Complete the following economics core:

		Credits
MATH 151	Elementary Probability and Statistics	3
ECON 211	Micro-Economic Principles	3
ECON 212	Macro-Economic Principles	3
ECON 305	Intermediate Macro-Theory	3
ECON 306	Intermediate Micro-Theory	3

2. Choose six courses from the following list:

		Credits
ECON 300	Economic History of the United States	3
ECON 310	The Economics of Health Care	3
ECON 317	Urban Economics	3
ECON 331	Money and Banking	3
ECON 336	Public Sector Economics	3
ECON 338	Special Topics in Economics	3
ECON 340	Economics of Social Issues	3
ECON 370	Industrial Organization	3
ECON 381	Labor Organization	3
ECON 401	History of Economic Thought	3
ECON 402	Comparative Economic Systems	3
ECON 411	Economic Development	3
ECON 415	Environmental Economics	3
ECON 420	The Economics of Natural Resources and Agriculture	3
ECON 430	Econometrics	3
ECON 441	International Economics	3
ECON 460	Applied Economics Workshop	3

Students planning graduate work in economics are advised to take the following sequence of math courses:

		Credits
MATH 201	Calculus I	4
MATH 202	Calculus II	4
MATH 310	Calculus III	4
MATH 413	Mathematical Statistics I	3
MATH 414	Mathematical Statistics II	3

Minor in Economics

A minor in economics consists of the following 18 hours of coursework completed with grades of C or better, at least 15 hours of which are credits not applied toward General Education or Perdue School major requirements:

1. Complete the following core:

		Credits
ECON 211	*Micro-Economic Principles	3
ECON 212	*Macro-Economic Principles	3
ECON 305	Intermediate Macro-Economic Theory	3
or		
ECON 306	Intermediate Micro-Economic Theory	3

* business, accounting and management information systems majors can count only one of these courses toward the minor; therefore, they must have four, rather than three economics electives

2. Select three electives (four electives for business administration, accounting or management information systems majors) from 300/400-level economics courses (except ECON 307).

Curriculum Guide: Bachelor of Arts In Economics

The following is a sample sequence of courses for students majoring in economics. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
MATH 151	Elementary Probability and Statistics	3
	Group IB Elective	3
	Group IIB Elective	3
		15
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
	Group IIB Elective	3
	Group IIIA Elective	4
PHEC 106	Personalized Health/Fitness	3
		16
SOPHOMORE YEAR		
ECON 211	Micro-Economic Principles	3
	Group IA Elective	3
	Group IIIA Elective	4
	Electives	6
		16
ECON 212	Macro-Economic Principles	3
	Group IIB Elective	3
	Group IIIC Elective	3
	Electives	6
		15
JUNIOR YEAR		
ECON 305	Intermediate Macro-Theory	3
ECON XXX	Elective	3
	Electives	9
		15
ECON 306	Intermediate Micro-Theory	3
ECON XXX	Elective	3
	Electives	9
		15
SENIOR YEAR		
ECON XXX	Electives	6
	Electives	9
		15
ECON XXX	Electives	6
	Electives	9
		15

Management Information Systems

Professor

Jeffrey E. Kottemann, Ph.D. (chair, Information and Decision Sciences Department); *management information systems, performance impact assessment*

Assistant Professors

Mary Helen Fagan, Ph.D.; *information systems, individual/organizational impacts of information technology, business process design*

Choong C. Lee, Ph.D.; *management/performance measurement of information systems, telecommunications management*

Karen E. Papke-Shields, M.S.; *operations strategy/management*

Fatollah Salimian, M.A.; *decision sciences*

The Department of Information and Decision Sciences offers a Bachelor of Science in management information systems addressing information analysis, business systems design and information systems management. The program emphasizes business and organizational studies as well as information systems technology. Coursework includes business fundamentals such as accounting, finance, marketing, management and production; information systems design; and development methods, database structures, database management systems, computer programming and data communications. Students study in depth business systems analysis and design and other technical and business areas related to developing, maintaining and using information in a variety of organizational settings. They learn how to apply computers, software and systems techniques to solve information systems problems within organizations.

Students gain a thorough understanding of the life cycle development process of management information systems. They learn skills for analysis, design and implementation of information systems that will provide managers with the information they need for operational and strategic planning and control. Students also become familiar with modern computer technology and how appropriate hardware and software are integrated in analyzing business problems. The program balances information systems theory and application and prepares students for careers in private-sector and public-sector positions such as computer systems analysts, information resource managers and MIS analysts.

The management information systems curriculum consists of a lower-division (*pre-professional*) core, upper-division (*professional*) core, *special requirements* and management information systems *major requirements*. Pre-professional management information systems majors acquire a common body of knowledge essential to the successful completion of the professional program coursework.

Major in Management Information Systems

Students majoring in management information systems must meet the following requirements:

1. Complete the *pre-professional core* requirements (see page 68), plus the following course with a grade of C or better:

		Credits
COSC 120	Computer Programming	4

2. Complete the following *professional core*:

		Credits
BUAD 311	Financial Management I	3
BUAD 320	Management and Organizational Behavior	3
BUAD 326	Production and Operations Management	3
BUAD 330	Principles of Marketing Management	3
BUAD 420	Business and Society	3
BUAD 492	Strategic Management	3

3. Satisfy the following *special requirements*:

International Requirement

One of the following courses:

		Credits
BUAD 385	Business in its Global Setting	3
BUAD 422	Management of the Multinational Business	3
BUAD 423	International Marketing	3
BUAD 447	International Financial Management	3
ECON 441	International Economics	3
ISMN 465	Global Information Technology Management	3

Management Information Systems Requirement

		Credits
ISMN 211	Information Systems Concepts for Management	3

ABLE Requirement

The applied business learning experience (ABLE) is normally completed during the senior year and can be met through either an internship or experiential project.

Internships are normally completed off campus at a variety of businesses, government or not-for-profit organizations. For an internship to satisfy the ABLE requirement, it must be completed as part of enrollment in the following course:

		Credits
BUAD 490	Business Internship	3

and must involve the student in working with an organization in a planned, progressive-development program for a minimum of 120 hours over a 10-week period.

Experiential projects provide applied business learning experiences and are associated with the following course:

		Credits
ISMN 476	Information Systems Development and Implementation	3

For additional information concerning ABLE program requirements, students should see the program director in the Perdue School of Business.

4. Fulfill the following *major requirements* with grades of C or better (with approval of the chair of the Department of Information and Decision Sciences, up to six credit hours of comparable courses may be transferred from AACSB-member schools):

		Credits
ISMN 301	File Processing	3
ISMN 385	Telecommunication Systems Management	3
ISMN 386	Database Management Systems	3
ISMN 475	IS Analysis and Design	3
ISMN 476	IS Development and Implementation	3

plus two of the following electives:

		Credits
BUAD 385	Business in its Global Setting	3
ISMN 395	Advanced Management Support Systems	3
ISMN 455	Advanced Microcomputer Applications In Business	3
ISMN 465	Global Information Technology Management	3
ISMN 480	Senior Seminar in MIS	3

Curriculum Guide: Bachelor of Science In Management Information Systems

The following is a sample sequence of upper-level courses for students accepted into the professional management information systems program. Because of the timing of courses, prerequisites, etc., curriculum planning is essential. Any student interested in MIS should see the director of academic services to be assigned an advisor.

JUNIOR YEAR		Credits
BUAD 320	Management and Organizational Behavior	3
BUAD 330	Principles of Marketing Management	3
ISMN 301	File Processing	3
ISMN 385	Telecommunication Systems Management	3
	Elective	3
		15
BUAD 311	Financial Management I	3
BUAD 326	Production and Operations Management	3
BUAD 420	Business and Society	3
ISMN 386	Database Management Systems	3
	Elective	3
		15
SENIOR YEAR		
ISMN 475	Information Systems Analysis and Design	3
ISMN XXX	Elective	3
	International Requirement or Elective	3
	Electives	6
		15
BUAD 492	Strategic Management	3
ISMN 476	Information Systems Development and Implementation	3
ISMN XXX	Elective	3
	International Requirement or Elective	3
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Charles R. and Martha N. Fulton School of Liberal Arts

Dr. Ronald Dotterer, Dean

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Dean's Office
Fulton Hall 257, (410) 543-6450

Art
Fulton Hall 200, (410) 543-6270

Communication Arts
Fulton Hall 261, (410) 543-6229

English
Holloway Hall 339, (410) 543-6445

History
Holloway Hall 346, (410) 543-6245

Modern Languages
Holloway Hall 347, (410) 543-6341

Music
Fulton Hall 200, (410) 543-6385

Philosophy
Philosophy House 001, (410) 334-3407

Political Science
Fulton Hall 266, (410) 548-2546

Psychology
Holloway Hall 338, (410) 543-6370

Research Center for Delmarva History and Culture
Power Professional Building 190, (410) 543-6312

Sociology
Fulton Hall 266, (410) 543-6430

School Information

The Fulton School of Liberal Arts, endowed and named in 1990, offers disciplinary programs leading to careers within and built upon the fine arts, humanities and social sciences. Because each department within the Fulton School embodies a liberal art and its own professions, the Fulton School is the central provider of Salisbury State University's liberal education offerings. Fulton School courses and programs are central to the mission of Salisbury State University in fostering students' abilities as follows:

1. Enhancing their intellectual capacities.
2. Developing critical thinking in order to draw valid conclusions from observation and research and apply logic to solve problems creatively.

3. Developing effective and coherent speaking and writing.
4. Examining and analyzing their own and other cultures in order to participate as informed citizens in an increasingly complex world.
5. Integrating learning experiences to develop coherent judgment and interconnected knowledge.

Fulton School faculty endeavors include *Literature/Film Quarterly*, a journal entering its 25th year; the Research Center for Delmarva History and Culture, specializing in local and regional history, archeology and folklore; an annual conference on American Women of Color; the Maryland Summer Center for the Arts for talented and gifted middle and high school students; and the Imaging and Remote Sensing Center, which provides computer-assisted mapmaking for local, state and federal planning agencies. The University galleries in Fulton Hall and the Guerrieri University Center and the Salisbury Symphony Orchestra at Salisbury State University are also affiliated with the Fulton School.

In addition to discipline-based programs of study, the Fulton School provides interdisciplinary programming through a range of innovative curricula demonstrating how intellectual curiosity crosses boundaries between disciplines and unique programs that enable students to adapt the rich heritage of liberal arts to current and individual needs. Interdepartmental programs and minors such as American studies, environmental studies, international studies, religious studies, gerontology, comparative literature, fine arts administration, conflict resolution/peace studies and women's studies/gender studies give students opportunities to consider issues from an interdisciplinary perspective.

Career-related tracks, such as journalism and graphic design, as well as supervised community-service internships with museums, government agencies and other organizations, enable students to apply liberal education in actual practice. Students who do not find an existing course of study that meets their interests and needs may, with the help of faculty, design individualized liberal studies programs. Most departments offer opportunities for international study. The Fulton School sponsors a program in Ecuador and is affiliated with the American Institute for Foreign Study, which offers study abroad programs at universities in Australia, Austria, England, France, Germany, Japan, Mexico, Russia and Spain.

Scholarships and awards in the school include the following:

Fulton Scholarships
Art Department Scholarships
Nettie C. Bentley Scholarship in Music
Gerald and Bette Jane Patt Scholarship in Communication Arts
Thelma B. Robertson Scholarship in the Liberal Arts
Walter C. Thurston Memorial Award in Art
Robert A. Elderdice Award in Literature
Joanne Grant Scholarship in Theatre
Leland Starnes Memorial Award
Duane C. Nichols Memorial Scholarship in English
History Department Scholastic Award
Outstanding Foreign Language Student Award
Music Department Award
Philosophy Department Outstanding Student Award
Psychology Department Award
Thurston Award in Photography

Art

Chair
Associate Professor Marie Cavallaro, M.A.; *ceramics, sculpture*
Professor
Kent Kimmel, Ph.D.; *printmaking, color, art education*
Associate Professors
James Burgess, M.A.; *art education*
John Cleary, M.F.A.; *drawing, painting*
Assistant Professors
Ursula Ehrhardt, M.A.; *history of art*
Dean Peterson, M.F.A.; *graphic design, photography*

The Department of Art offers programs leading to the Bachelor of Arts and the Bachelor of Fine Arts in art. Students enjoy wide-ranging instruction in fine arts, advertising design and art history, receiving the technical skill, critical perspective and historical background to pursue careers in art and arts-related fields as well as graduate study in art.

Art majors are able to pursue independent study, participate in internships in graphic design and arts administration, and study abroad, either through winter term courses regularly offered by the Art Department or through programs affiliated with the American Institute for Foreign Study. In addition, art students may study at the art institutes of Atlanta, Dallas, Denver, Ft. Lauderdale, Houston, Philadelphia, Pittsburgh and Seattle through a cooperative program between Salisbury State University and the Art Institutes International. Students interested in art education or interior design may take courses through collaborative efforts with the University of Maryland Eastern Shore.

The art curriculum is enhanced by various exhibitions and related programs sponsored by the Salisbury State University Galleries, and a show featuring works by graduating artists is held each spring. Students may also show their work in Fulton Hall 129, used for a variety of special events including workshops and lecture-demonstrations. The department has an "open studio" policy, allowing students access to specially equipped facilities even when class is not in session to complete assignments and pursue independent work.

Bachelor of Arts in Art

Students must complete 51 credit hours in art, at least 15 of which must be at the 300/400 level, with minimum grades of C. ART 201 must be used to meet General Education Group IB requirements. The requirements are as follows:

1. Complete 36 hours of core art courses:

		Credits
ART 120	2-D Design	3
ART 130	Drawing I	3
ART 215	Ceramics I	3
or		
ART 261	Sculpture I	3
ART 220	Principles of Color	3
ART 225	3-D Design	3
ART 229	Photography I	3
ART 230	Drawing II	3
ART 246	Painting I	3
ART 35X	Printmaking	3
ART XXX	Art History Electives	6
ART 498	Senior Seminar	3

2. Select 15 credits in an approved track, excluding any core courses. Program guides for specific course selection are available from the Art Department. The tracks include graphic design/visual communications, three-dimensional studio, arts administration, two-dimensional studio and art history.

Bachelor of Fine Arts in Art

Students must apply to the department and be accepted into the B.F.A. program. Application guidelines and procedures are available from the Art Department.

Students must complete 60 credit hours in art, at least 15 of which must be at the 300/400 level, with minimum grades of C. They additionally select an approved track, complete special assignments and periodically submit a portfolio for review. ART 201 must be used to meet General Education Group IB requirements. The major requirements are as follows:

1. Complete 30 credits from the following core:

		Credits
ART 120	2-D Design	3
ART 130	Drawing I	3
ART 215	Ceramics II *(3D students)*	3
ART 220	Color *(2D/graphic design students)*	3
ART 225	3-D Design	3
ART 229	Photography I *(graphic design students)*	3
or		
ART 226	Ad Design I *(graphic design students)*	3
ART 230	Drawing II	3
ART 246	Painting I *(2D students)*	3
or		
ART 35X	Printmaking *(2D students)*	3
ART 261	Sculpture I *(3D students)*	3
ART XXX	Art History Electives	9
ART 498	Senior Seminar	3

2. Select a minimum of 30 credits in an approved track, excluding any core courses. Program guides for specific course selection are available from the Art Department. The tracks include graphic design/visual communications, three-dimensional studio and two-dimensional studio.

Minor in Art

The minor in studio art has the following requirements:

1. Complete the following 12 semester hours:

		Credits
ART 120	Two-Dimensional Design	3
ART 130	Drawing I	3
ART 201	Introduction to Art History	3
ART 220	Principles of Color	3
or		
ART 225	Three-Dimensional Design	3

2. Take nine additional semester hours in art, at least three of which must be at the 300/400 level.

General Information

Any 100- or 200-level art course which does not require a prerequisite (except ART 119: Design in Fiber Crafts) and contains a theoretical cognitive component may be used to satisfy a General Education Group IB requirement. Students seeking art studio credits without registration in areas of special proficiency may challenge courses through a written examination and presentation of a portfolio. The challenge procedure is not open to first-semester freshmen. Transfer students wishing to challenge studio courses should contact the department chair to arrange for advising testing and presentation of a portfolio.

The Art Department reserves the right to retain permanently one work completed by each student in each class. Disposition of these works is the prerogative of the department. Other works may be held temporarily for use in special exhibitions and will be available to owners no later than one year after the lending date.

Curriculum Guide: Bachelor of Arts in Art

To assure students' academic progress and to assist them in planning for careers or graduate study, advising by art faculty is mandatory. The following is a sample sequence of courses for students majoring in art. A sample curriculum guide for the B.F.A. is available in the department. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	*Principles of Composition	3
HIST 101	*World Civilizations	3
ART 120	#Two-Dimensional Design	3
ART 130	#Drawing I	3
ART 201	#Introduction to Art History	3
		15
ENGL 102	*Principles of Literature	3
HIST 102	*World Civilizations	3
ART 220	#Principles of Color	3
ART 225	#Three-Dimensional Design	3
ART XXX	Option	3
		15
SOPHOMORE YEAR		
	*Group IIB Elective	3
	*Group IIIA Elective	3-4
ART XXX	#History	3
ART 230	#Drawing II	3
ART XXX	Option	3
		15-16
	*Group IIB Elective	3
	*Group IIIA Elective	3-4
PHEC 106	*Personalized Health/Fitness	3
ART XXX	#History	3
ART XXX	Option	3
		15-16
JUNIOR YEAR		
ENGL XXX	*Literature Elective	3
	*Group IB Elective	3
	*Group IIIB Elective	3
ART XXX	#History	3
ART XXX	Option	3
		15
	*Group IB Elective	3
	*Group IIB Elective	3
	*Group IIIC Elective	3
ART XXX	Option	3
	Free Elective	3
		15
SENIOR YEAR		
ART XXX	Option	6
	Free Electives	9
		15
ART 498	Senior Seminar	3
ART XXX	Option	6
	Free Electives	6
		15

* General Education requirement
# art core requirement
NOTE: Art track courses may be substituted for free electives. The art faculty advisor may recommend courses outside the department that relate to the student's track, e.g. an academic minor.

Communication Arts

Chair
Instructor Paul E. Scovell, M.S.; *organizational/public communication, communication technology*
Professors
Andrew Hepburn, Ph.D.; *acting, movement, voice, directing*
Robert J. Wesley, Ph.D.; *interpersonal communication, oral interpretation of literature*
Kenneth E. Wilkerson, Ph.D.; *communication theory*
Associate Professors
Janet S. Horne, Ph.D.; *rhetoric, communication theory, philosophies of communication, small group communication*
Donald L. Singleton, Ph.D.; *mass communication, broadcast management/law*
Assistant Professors
Frances L. Kendall, Ph.D.; *mass communications, production*
Gerald Patt Jr., M.S.A.; *design and technical theatre production*
T. Paul Pfeiffer, Ph.D. (theatre director); *theatre, history, directing, costume design, English history and theatre (1066-1776)*
Allen N. Smith, Ph.D.; *journalism and mass communication*
Robert Smith, M.F.A.; *directing, 20th century theatre, critical/creative thinking skills*
Lecturers
Anthony Curtis, M.A.; *mass/interpersonal/computer-mediated communications, broadcasting, journalism*
Furahaa Saba, M.A.; *interpersonal communication, instructional communication*

The Department of Communications Arts offers programs leading to the Bachelor of Arts in communication arts, fostering students' abilities to think reasonably and communicate intelligently, creatively and responsibly. The department integrates diverse approaches, reflecting broad curricular scope and communication competence and knowledge. Through its theatrical, radio and television productions, writing, sponsorship of forums and internships, the Department of Communication Arts enriches the quality of community life.

Students are trained in face to face communication, facilitating decision-making and problem-solving in their personal and professional lives. They examine the social significance of communication, develop communication skills, learn to recognize and resolve communication problems, and become better able to acquire, use and communicate knowledge. Communication arts students achieve competency in any of several career fields related to communication, undertaking concentrated study in one of the department's programs. They further study world theatre and drama, intercultural communication, international media and organizational communication.

Areas of emphasis include communication theory, rhetoric, print and electronic media, interpersonal communication, organizational and technical communication, technical theatre, acting and directing. The major is excellent preparation for careers in radio or television production, print or broadcast journalism, technical theatre, acting, theatre administration, sales, training and development, public relations, management and personnel, as well as graduate work in rhetoric, communication studies and theory, organizational communication/training and development, interpersonal and small group communication, journalism and public relations, media studies, theatre and law.

Major in Communication Arts

Students must complete 33 credit hours in the department with grades of C or better. The requirements are as follows:

1. Complete 12 credit hours of core courses:

		Credits
CMAT 100	Fundamentals of Communication	3
or		
CMAT 250	Instructional Communication	3
or		
CMAT 260	Fundamentals of Organizational Communication	3
CMAT 110	Introduction to Mass Media	3
CMAT 120	Introduction to Theatre	3
or		
CMAT 220	Theatre History	3
CMAT 200	Theories of Human Communication	3

2. Complete 15 credit hours of 300/400-level communication arts courses.
3. Take six credit hours of communication arts electives.

Program guides for specific areas of emphasis are available from the department.

Minor in Communication Arts

Students must complete a minimum 18 hours with grades of C or better (at least 15 hours must be credits not applied toward General Education requirements). The requirements are as follows:

1. Complete six credit hours of core courses:

		Credits
CMAT 100	Fundamentals of Communication	3
or		
CMAT 250	Instructional Communication	3
or		
CMAT 260	Fundamentals of Organizational Communication	3
CMAT 110	Introduction to Mass Media	3
or		
CMAT 120	Introduction to Theatre	3
or		
CMAT 200	Theories of Human Communication	3

2. Satisfy six credit hours of 300/400-level communication arts courses.
3. Take six credit hours of communication arts electives.

General Information

Students who wish to use a communication arts course to satisfy the General Education Group IB requirements may select from the following list:

		Credits
CMAT 100	Fundamentals of Communication	3
CMAT 105	Listening	3
CMAT 110	Introduction to Mass Media	3
CMAT 120	Introduction to Theatre	3
CMAT 205	Interpersonal Communication	3
CMAT 250	Instructional Communication	3
CMAT 260	Fundamentals of Organizational Communication	3

Transfer Students

Transfer students majoring in communication arts must complete 15 semester hours in communication arts courses at Salisbury State University with minimum grades of C.

Departmental Honors Program

Students may complete an honors project at the invitation of the department. Interested students should contact their advisors or the department chairperson.

Curriculum Guide: Bachelor of Arts In Communication Arts

The following is a sample sequence of courses for students majoring in communication arts. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
CMAT 100	Fundamentals of Communication	3
or		
CMAT 250	Instructional Communication	3
or		
CMAT 260	Fundamentals of Organizational Communication	3
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
	Group IIB Elective	3
		15
CMAT 120	Introduction to Theatre	3
or		
CMAT 110	Introduction to Mass Media	3
or		
CMAT 220	History of the Theatre	3
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
	Group IB Elective	3
	Group IIIB Elective	3
		15
SOPHOMORE YEAR		
CMAT XXX	Elective	3
CMAT 120	Introduction to Theatre	3
or		
CMAT 110	Introduction to Mass Media	3
or		
CMAT 220	History of the Theatre	3
	Group IIIA Elective	3
	Literature Elective	3
	Minor/General Elective	3
		15
CMAT XXX	Electives	6
CMAT 200	Theories of Human Communication	3
	Group IIB Elective	3
	Group IIIA Elective	4
		16
JUNIOR YEAR		
CMAT XXX	300/400-Level Electives	6
	Group IIIC Elective	3
	Group IIB Elective	3
	Minor/General Elective	3
		15
CMAT XXX	300/400-Level Elective	3
	Group IIB Elective	3
	General Electives	6
	Minor/General Elective	3
		15
SENIOR YEAR		
CMAT XXX	300/400-Level Elective	3
	300/400-Level General Elective	3
	300/400-Level Minor/General Elective	3
	General Electives	6
		15
CMAT XXX	300/400-Level General Electives	6
	300/400-Level Minor/General Elective	3
	General Elective	3
		15

English

Chair
Professor Connie L. Richards, Ph.D.; *American/Western American literature, American women writers of color*
Professors
Ronald L. Dotterer, Ph.D.; *20th century British/American/Irish literature, film*
Thomas L. Erskine, Ph.D.; *literature and film, Milton*
Darrell G. Hagar, Ph.D.; *satire, 20th century British literature*
William C. Horne, Ph.D.; *Restoration/18th century/wilderness literature*
Polly Stewart, Ph.D.; *folklore, mythology*
Michael Waters, Ph.D.; *American literature, creative writing*
John P. Wenke, Ph.D.; *19th/20th century American literature, creative writing*
Raymond A. Whall, Ph.D.; *Victorian/modern British literature, poetry*
William F. Zak, Ph.D.; *British romanticism, Shakespeare*
Associate Professors
Wavie Gibson, Ph.D.; *composition theory, sociolinguistics, African-American literature*
Gary M. Harrington, Ph.D.; *modern American literature, drama, Shakespeare*
James M. Welsh, M.A.; *literature and film, drama, Shakespeare*
Assistant Professors
Elizabeth H. Curtin, D.A. (director, Writing Across the Curriculum); *rhetoric, composition*
John D. Kalb, Ph.D.; *contemporary American/ethnic American literature*
Judith E. Pike, Ph.D.; *women writers, feminist theory, 19th century literature*
Lorrie Stoops Verplaetse, Ph.D.; *English as a second language, linguistics*
Lecturer
Ann R. Allen, M.A.; *composition, Shakespeare, poetry, American literature*
Karen Rayne, M.A.; *composition instruction and theory*
Kate J. Zak, M.A.; *freshman English, short story, drama*

The Department of English offers programs leading to the Bachelor of Arts in English, enhancing written communication skills, sharpening critical thinking skills, broadening knowledge of the power of language, refining understanding of literature as art and cultivating knowledge in the critical approaches used to analyze literature.

Various concentrations prepare students for careers and graduate study in law, editing, professional reviewing, advertising, public relations and journalism. The department's teacher certification program prepares students for teaching English in secondary schools. Students who complete this program are certified to teach English in the state of Maryland and those states that have reciprocity agreements with Maryland.

Major in English

Liberal Arts Sequence

Students may complete the liberal arts English major in one of six ways: traditional major, literature concentration, creative writing concentration, film concentration, folklore concentration or linguistics concentration. In the liberal arts sequence, students must meet the following requirements:

1. Complete English 101 and 102 with grades of C or better.*
2. Maintain at least a C average in 30 semester hours of English beyond ENGL 102.
3. Earn a passing grade in a 202 course in a foreign language or demonstrate the equivalent level of foreign-language reading proficiency on a test administered by the Department of Modern Languages (not required for the film or creative writing concentrations).
4. Satisfy the requirements below for the traditional major or one of the concentrations.

* all University students must earn a C or better in ENGL 101 and 102 to apply these toward graduation and to qualify for enrollment in other English courses

Traditional Major

The traditional English major allows students in counsel with their advisors to design a program of study best suited to individual interests and career goals. Students must complete 15 of the program's 30 hours in literature courses. At least 12 of the 15 hours in literature courses must be at the 300/400 level with at least six of these hours at the 400 level.

The department recommends that students majoring in and planning graduate study in English distribute

21 of the 30 required hours as follows:

1. Complete six hours in two different genres.
2. Take nine hours in three different literary period courses.
3. Satisfy three hours in a course dealing with a particular author.
4. Select three hours in the study of language from the following courses:

		Credits
ENGL 110	Introduction to the Study of Language	3
ENGL 435	Varieties in Language	3
ENGL 439	Second Language/Dialect Learning	3

Literature Concentration

Students must complete at least 30 credit hours in English with 21 hours of literature courses distributed as follows:

1. one classical literature (ENGL 207, 222, 313 or 450)
2. one language course (ENGL 110, 431, 433, 435 or 437)
3. one period course in American literature (ENGL 241, 328, 329, 331, 332, 343*, 350, 426, 427, 428, 449, 457, 458 or 459*)
4. one period course in British literature (ENGL 242, 243, 343*, 414, 420, 421, 425, 459*, 460 or 462)
5. one major author/genre course (ENGL 411, 412, 419 or 453)
6. one American literature survey course (ENGL 241, 331 or 332)
7. one British literature survey course (ENGL 242 or 243)

* counts as American or British depending on the authors studied

Creative Writing Concentration

The creative writing concentration requires the following:

1. Fifteen hours in creative writing, including the following core:

		Credits
ENGL 230	Creative Writing	3
ENGL 311	Fiction Workshop	3
ENGL 312	Poetry Workshop	3
ENGL 340	Writer's Craft	3

2. Plus 15 credit hours in literature, 12 at the 300/400 level with six of these at the 400 level.

Film Concentration

The film concentration has the following requirements:

1. Complete the following 15 hours:

		Credits
ENGL 121	Introduction to Film	3
ENGL 321	Film History	3
ENGL 322	Literature and Film	3
ENGL 324	Film Genre	3
ENGL 405	Major Film Directors	3

2. Select 15 hours from the following, but including no more than six hours outside the English Department:

		Credits
ENGL 204	Art of the Drama	3
ENGL 209	Aspects of the Novel	3
ENGL 210	Short Story	3
ENGL 300	Studies in English	3
ENGL 325	Studies in Film	3
ENGL 327	Science Fiction	3
ENGL 329	Literature of the American West	3
ENGL 419	Shakespeare	3
ENGL 463	Literary Analysis	3
ENGL 490	Topics in English	1-3
AMST 205	The American Experience	3
AMST 315	Topics in American Studies	3
PHIL 300	Philosophy of Art and Beauty	3
CMAT 110	Introduction to Mass Media	3
CMAT 137	Television Production	3
CMAT 230	Mass Media and Society	3
CMAT 331	Dramatic Writing for Radio and TV	3
CMAT 400	Communication and Culture	3

Folklore Concentration

The folklore concentration requires 15 hours of electives in literature and the following courses:

		Credits
ENGL 110	Introduction to the Study of Language	3
ENGL 222	World Mythology	3
ENGL 223	Folklore and Folklife	3
ENGL 433	Language and Culture	3
ENGL 435	Varieties in Language	3

Linguistics Concentration

The linguistics concentration requires 15 hours of English electives and the following courses:

		Credits
ENGL 110	Introduction to the Study of Language	3
ENGL 431	A Survey of Modern Grammars	3
ENGL 435	Varieties in Language	3
ENGL 439	Second Language/Dialect Learning	3
ENGL 465	Research in Composition	3

Teacher Certification

The English education major requires 36 hours within the English Department and 39 credits outside the Department. Following are the required courses for students majoring in English and seeking certification to teach English in the secondary schools (students should consult regularly with their advisors when developing their individual program plans and selecting courses):

		Credits
CMAT 250	Instructional Communication	3
EDUC 300	Development and Learning	3
EDUC 305	The School in Society	3
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 333	English in the Secondary School	3
EDUC 409	Literature for Adolescents	3
EDUC 422	Foundations of Reading	3
EDUC 426	Directed Teaching in the Secondary School	6
EDUC 428	Directed Teaching in the Secondary School	6
EDUC 433	Student Teaching Seminar-Secondary Education	2
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3
ENGL 110	Introduction to the Study of Language	3
ENGL 300	Studies in English: Third World Literature	3
or		
ENGL 307	African-American Literature	3
or		
ENGL 309	Women in Literature	3
or		
ENGL 328	American Indian Literature	3
or		
ENGL 449	Ethnic Literature in America	3
ENGL 419	Shakespeare	3
ENGL 463	Literary Analysis	3
ENGL 465	Research in Composition	3
ENGL 242	Major British Authors I	3
or		
ENGL 243	Major British Authors II	3
ENGL 331	American Literature: Beginning-1860	3
or		
ENGL 332	American Literature: 1860-1945	3
ENGL 431	A Survey of Modern Grammars	3
ENGL 414	Elizabethan and Jacobean Literature	3
or		
ENGL 420	Restoration and 18th Century Literature	3
or		
ENGL 421	Romantic Literature	3
or		
ENGL 425	Victorian Literature	3
or		
ENGL 459	Contemporary Literature	3
ENGL 426	Colonial American Literature	3
or		
ENGL 427	The American Renaissance	3
or		
ENGL 459	Contemporary Literature	3
ENGL XXX	Electives	6

Minor in English

Students must complete 15 credit hours in English beyond those used to fulfill General Education requirements, with six of these 15 hours at the 300/400 level. A C average is required in courses for the minor.

Students may not use courses to satisfy requirements in both the minor and major programs of study in English.

Minor in American Studies

The English and History departments offer an interdisciplinary minor in American studies that requires the following 18 credit hours with grades of C or better:

1. Complete the following core courses:

		Credits
ENGL 300	*Topics in American Studies	6
HIST 412	Social and Cultural History of the U.S. I	3
HIST 413	Social and Cultural History of the U.S. II	3

* cross listed as HIST 375; may be taken twice under different course titles recorded with the registrar

2. Select two of the following courses:

		Credits
ENGL 426	Colonial American Literature	3
ENGL 427	The American Renaissance	3
ENGL 457	American Novel I	3
ENGL 458	American Novel II	3

Students may not use courses to satisfy requirements in both the minor in American studies and the major programs of study in English or in history.

Transfer Students

Transfer students majoring in English must complete 15 semester hours in English courses at Salisbury State University with minimum grades of C.

Curriculum Guide: Bachelor of Arts In English

The following is a sample sequence of courses for students pursuing the traditional major in English. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
	Group IB Elective	3
	Group IIIA Elective	4
	Modern Language/General Elective	3
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
	Group IB Elective	3
	Group IIIA Elective	3
	Modern Language/General Elective	3
		15
SOPHOMORE YEAR		
ENGL XXX	*Classical Literature	3
ENGL XXX	*Language	3
PHEC 106	Personalized Health/Fitness	3
	Group IIB Elective	3
	Group IIIB Elective	3
	Modern Language/General Elective	3
		18
ENGL XXX	*British Survey	3
ENGL XXX	Elective	3
	Group IIB Elective	3
	Group IIIC Elective	3
	Modern Language/General Elective	3
		15
JUNIOR YEAR		
ENGL XXX	*American Literature	3
	Group IIB Elective	3
	Electives	6
		12
ENGL XXX	*Major Author/Genre	3
ENGL XXX	Elective	3
	Electives	9
		15
SENIOR YEAR		
ENGL XXX	*British Literature	3
ENGL XXX	Elective	3
	Electives	9
		15
ENGL XXX	*American Survey	3
	Electives	12
		15

* see the categorizations listed under Literature Concentration requirements, or the English Department, for a complete list of appropriate coursework

History

Chair
Professor G. Ray Thompson, Ph.D.; *ancient Egypt, Greece, Rome, classical archaeology*
Professor
K. Peter Lade, Ph.D. (anthropology coordinator); *anthropology*
Associate Professors
Robert A. Berry, Ph.D.; *Russia/East European history*
Gregory C. Ference, Ph.D.; *Asia/East European history, Hapsburgs*
Timothy S. Miller, Ph.D.; *Byzantine history*
Clara Small, Ph.D.; *African-American history, colonial America*
Assistant Professors
Richard Bowler, Ph.D.; *German history, history of science and technology*
Sylvia D. Bradley, M.A.; *English history*
Maarten Pereboom, Ph.D.; *U.S. foreign/European, international relations*
Sarah E. Sharbach, Ph.D.; *20th century U.S., Latin America*
Bart Talbert, Ph.D.; *Civil War, 19th century America*
Jeanne E. Whitney, Ph.D.; *colonial America, material culture, museum studies*
Instructor
Donald M. Whaley, M.A.; *19th century America, South, social/cultural history*
Lecturer
Wayne Ackerson, M.A.; *African history, archaeology*
Dean Fafoutis, Ph.D.; *diplomatic/19th century Anglo-American history*
Margaret Fisk Genvert, M.A.; *18th and 19th century European history*
George W. Gering Jr., M.A.; *military history, colonial America*
Claudia Hannon, M.A.; *19th century America/ancient history*
Sean Healey, M.A., *20th century U.S. history*
Marianne Scarborough, M.A.; *ancient Near East, Rome, classical archaeology, classical mythology*
Kim Klein, Ph.D.; *colonial British America*
Joseph Gilbert, M.A.; *environmental/American history*

The Department of History offers a program leading to the Bachelor of Arts in history. The department's objective is to develop a habit of inquiry enhancing students' abilities to think critically and analytically, speak effectively and write coherently.

The history major examines times and cultures other than our own while fostering a sense of the

interconnectedness of our world. Furthermore, it offers a perspective of the issues of our lives and times and their significance in a personal, ethical, global and multicultural framework. Finally, the discipline provides a foundation upon which we can build and strengthen those qualities which make us human.

The history curriculum is excellent preparation for careers that cross disciplinary lines and graduate programs such as history, law, library science, museology and international affairs. History graduates may teach as well as work in local, state and federal government, tourism, publications, advertising, insurance, consulting and numerous areas of business.

The History Department further administers the anthropology track in liberal studies. See page 86 for details.

Major in History

Students must complete 33 credit hours in departmental courses with a minimum grade average of C. Fifteen of these hours must be at the 300/400 level. Additionally, students must complete six hours from two social sciences other than history and four satisfactory research papers. Graduate school candidates are encouraged to develop a reading proficiency in at least one foreign language. Course requirements include the following:

1. Complete five core courses:

		Credits
HIST 101	World Civilizations	3
HIST 102	World Civilizations	3
HIST 201	History of the U.S. I	3
HIST 202	History of the U.S. II	3
HIST 330	Proseminar in History	3

2. Choose three hours from the following courses:

		Credits
HIST 318	History of the Ancient Near East	3
HIST 332	National History of Mexico	3
HIST 333	The ABC Powers	3
HIST 334	Latin American Institutions	3
HIST 340	History of Africa to 1870	3
HIST 341	History of Africa: 1870 to present	3
HIST 350	The Middle East to 1800	3
HIST 355	The Middle East Since 1800	3
HIST 362	Chinese Civilization	3
HIST 363	Japanese Civilization	3
HIST 364	Modern Japan	3
HIST 377	The Changing Role of Women in American Society	3
HIST 378	Women in Modern America	3
HIST 387	Racism and Discrimination	3
HIST 388	Civil Rights in American History	3
HIST 395	Material Culture Studies in American History	3
HIST 412	Social and Cultural History of the U.S. I	3
HIST 413	Social and Cultural History of the U.S. II	3
HIST 423	Imperial Russia	3
HIST 424	Modern Russia	3
HIST 430	*Readings in History	3
HIST 440	Minority Groups in U.S. History	3
HIST 445	African-American History	3
HIST 446	Readings in African-American History	3
HIST 460	History of China Since 1800	3
HIST 474	History of Ancient Egypt	3
HIST 490	*Studies in History	3

* upon approval of chair

3. Satisfy 15 hours of 300/400-level electives in history.
4. Select six hours from two social science disciplines other than history, including one of the following courses:

		Credits
ECON 211	Micro-Economic Principles	3
or		
ECON 212	Macro-Economic Principles	3
GEOG 100	Introduction to Human Geography	3
or		
GEOG 300	Research and Writing	3
POSC 101	Introduction to Politics & Government	3
SOCI 101	Introduction to Sociology	3
or		
ANTH 212	Cultural Anthropology	3

Teacher Certification

Students seeking certification to teach history in secondary schools must complete the education courses listed below. For certificates to teach in other social science areas, students should consult with a History Department advisor.

		Credits
EDUC 300	Development and Learning	3
EDUC 305	The School in Society	3
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 334	Social Studies in the Secondary School	3
EDUC 422	Foundations of Reading	3
EDUC 426	Directed Teaching in the Secondary School	6
EDUC 428	Directed Teaching in the Secondary School	6
EDUC 433	Student Teaching Seminar-Secondary Education	2
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3
CMAT 250	Instructional Communication	3

Minor in History

The history minor allows students in other fields to gain a broad base in the humanities and social sciences and thus enhance their ability to reach higher levels of achievement in their own professional specialization. Additional information about this minor is available in the department.

The requirements include the following:

1. Complete 15 credit hours of history beyond the courses used to fulfill General Education requirements, including:

		Credits
HIST 201	History of the U.S. I	3
HIST 202	History of the U.S. II	3

2. Satisfy six hours at the upper (300/400) level.
3. Maintain at least a C average in all courses used for the minor.

Minor in American Studies

The minor in American Studies is an interdisciplinary study of history and English. It consists of a minimum of 18 credit hours which must be completed with grades of C or better, including the following:

1. Complete the following core:

		Credits
HIST 412	Social and Cultural History of the U.S. I	3
HIST 413	Social and Cultural History of the U.S. II	3
HIST 375	*Topics in American Studies	3

* cross listed as ENGL 300; may be taken twice under different course titles recorded with the registrar

2. Select two of the following courses:

		Credits
ENGL 426	Colonial American Literature	3
ENGL 427	The American Renaissance	3
ENGL 457	American Novel I	3
ENGL 458	American Novel II	3

Courses used to satisfy requirements for the minor cannot be used to satisfy requirements for the major. Further information regarding American studies may be obtained from either the History or English departments.

Minor in Anthropology

Students must complete 18 semester hours in anthropology and related disciplines with grades of C or better. At least 15 hours of work in the minor must be in courses not applied toward General Education requirements. The minor requires the following coursework:

1. Complete 12 hours from the following core:

		Credits
ANTH 212	Cultural Anthropology	3
ANTH 215	Primitive Religion	3
ANTH 250	Archaeology of Ancient Societies	3
ANTH 350	Physical Anthropology	3
ANTH 355	North American Indian	3
ANTH 450	Comparative Cultures	3
ANTH 459	Seminar in Anthropology	3

2. Select six hours from collateral areas, including the following courses:

		Credits
BIOL 105	Biology and Society	3
or		
BIOL 225	Ecology	4
ENGL 110	Introduction to the Study of Language	3
or		
ENGL 435	Varieties in Language	3
GEOG 105	Introduction to Physical Geography	4
or		
GEOG 202	Cultural Geography	3
HIST 300	Historic Archaeology of Maryland's Eastern Shore	3
HIST 319	Roman History	3
HIST 370	Greek History	3
HIST 395	Material Culture Studies in American History	3
HIST 472	*Studies in Classical Archaeology	3
or		
HIST 474	History of Ancient Egypt	3
HIST 480	Museum Studies	3

* may be taken twice under different course titles

General Information

Students interested in more detailed information regarding either a major or a minor in history should obtain a copy of *A Guide for Students Majoring or Minoring in History at Salisbury State University* from the department.

Challenge exams for introductory history courses are available to students who qualify. See the History Department. Students may not use courses to satisfy requirements both in the minor and in the major.

All students are encouraged to use the rich resources of the Research Center for Delmarva History & Culture, which enables intensive study in local history, family history, archaeology and folklore.

The History Department sponsors an active history social club which undertakes educational trips to historic sites and takes part in numerous collegial activities on campus.

Transfer Students

Transfer students majoring in history must complete a minimum of 15 semester hours with a C average in history at Salisbury State University.

Departmental Honors Program

The History Department sponsors two international honor societies for students majoring in history. Phi Alpha Theta is the international honor society in history and Pi Gamma Mu is the international honor society in the social sciences. Initiations into these honor societies are typically held each spring. Information regarding the qualifications for membership are available in the History Department.

Curriculum Guide: Bachelor of Arts in History

The following is a sample sequence of courses for students majoring in history. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
	*Social Science Requirement	3
	Group IIIA Elective	4
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
	Social Science Requirement	3
	Group IIIA Elective	4
		13
SOPHOMORE YEAR		
HIST 201	History of the United States	3
HIST 330	Proseminar in History	3
PSYC 101	General Psychology	3
	Group IIIB Elective	3
	General Elective	3
		15
HIST 202	History of the United States	3
ENGL XXX	Literature Elective	3
HIST XXX	300/400-Level Elective	3
	Group IB Elective	3
	Group IIIC Elective	3
		15
JUNIOR YEAR		
HIST XXX	300/400-Level Elective	3
	Group IB Elective	3
	General Electives	9
		15
HIST XXX	300/400-Level Electives	6
	General Electives	9
		15
SENIOR YEAR		
HIST XXX	300/400-Level Electives	6
	General Electives	9
		15
HIST XXX	300/400-Level Elective	3
	General Electives	13
		16

* specific courses are listed on major check sheet
NOTE: All students must complete a minimum of 30 hours at the 300/400 level with grades of C or better.

Interdisciplinary Studies

In the liberal arts tradition and to facilitate the integration of curriculum, the University offers courses in interdisciplinary studies. These courses, described in the "Courses" section of this catalogue under "Interdisciplinary Studies," are taught by a variety of departments and may be used, upon approval of advisors, within many of the programs of the University.

Liberal Studies

Chair
James C. Lackie, Ed.D.; *personality, counseling*
Advisor
Sandra Cohea-Weible, M.S.; *academic advising, counseling*

The Department of Liberal Studies offers programs leading to the Bachelor of Arts and Bachelor of Science.

The major accommodates students who wish to develop programs of study in two or more disciplines or create a major in an area of study not offered by any traditional major at SSU.

Major in Liberal Studies

Students must complete a minimum of 30 semester hours in 300/400-level courses from an approved program with grades of C or better; a minimum of 15 hours of upper-division work with C or better grades must be completed at Salisbury State University. No more than 18 semester hours of upper-division courses completed prior to declaring liberal studies as a major may be credited toward the major.

To guarantee that coursework satisfies the requirements of the liberal studies program, students must follow the procedure for program approval outlined under General Information.

Anthropology Track

Students majoring in liberal studies may choose a program in anthropology, administered by the History Department, offering subdisciplines in prehistory/archaeology, cultural anthropology, linguistic anthropology and physical anthropology. Anthropology examines empirical evidence for human evolution; the diversity of cultures, especially in small-scale societies; the relationship between language and culture; and the accumulated archaeological record of prehistoric and early historic societies. Career opportunities include artifact restoration or cataloguing, commercial archaeology, historical archaeology, salvage archaeology or underwater archaeology.

Students interested in the liberal studies anthropology track should consult with the coordinator of anthropology. Requirements for the track include the following:

1. Complete a minimum of 30 semester hours in approved 300/400-level courses with grades of C or better.
2. Complete the following core courses:

		Credits
ANTH 212	Cultural Anthropology	3
ANTH 215	Primitive Religion	3
ANTH 250	Archaeology of Ancient Societies	3
ANTH 350	Physical Anthropology	3
ANTH 355	North American Indian	3
ANTH 450	Comparative Cultures	3
ANTH 459	Seminar in Anthropology	3

Additional courses may be drawn from anthropology and collateral areas including the following:

		Credits
BIOL 105	Biology and Society	3
or		
BIOL 225	Ecology	4
ENGL 110	Introduction to the Study of Language	3
or		
ENGL 435	Varieties in Language	3
GEOG 105	Introduction to Physical Geography	4
or		
GEOG 202	Cultural Geography	3
HIST 300	Historic Archaeology of Maryland's Eastern Shore	3
HIST 319	Roman History	3
HIST 370	Greek History	3
HIST 395	Material Culture Studies in American History	3
HIST 472	*Studies in Classical Archaeology	3
or		
HIST 474	History of Ancient Egypt	3
HIST 480	Museum Studies	3

* may be taken twice under different subtitles

General Information

Students wishing to major in liberal studies should contact an advisor in the department to discuss and develop a program proposal, which will describe the students' goals and related course selections and sequencing, distributing the 30 required upper-division semester hours across two or more primary disciplines (unless the students are following pre-approved, established tracks within the liberal studies major). Proposals should also incorporate any non-exempted lower-division prerequisites to the courses chosen from the primary disciplines.

Programs are approved by designated representatives from the chosen disciplines and by the liberal studies chair. Any deviation from programs must be approved in writing by the chair of liberal studies.

Upper-division courses (300/400 level) completed prior to receiving program approval may or may not be used for liberal studies, and no more than 18 such hours may be credited toward a liberal studies major.

Modern Languages And Intercultural Studies

Chair
Associate Professor Arlene F. White, Ed.D.; *French culture and civilization*
Professor
John K. Knowles, Ph.D.; *Latin American literature and civilization*
Associate Professor
Gerald R. St. Martin, Ph.D.; *19th century French literature*
Lecturers
Klaudia Thompson, M.A.; *German language and culture*
Mark Hudak, M.A.; *Spanish linguistics and language learning*

The Department of Modern Languages and Intercultural Studies offers the Bachelor of Arts in French and Spanish as well as minors in French, Spanish and German. Course offerings also include Russian, Latin (through intercultural studies) and various intercultural/literature in translation topics. The department's mission is to foster students' abilities to think critically and to communicate intelligently and creatively in their native as well as in a foreign language. It promotes the study of language and culture to provide a sense of perspective and a better understanding of the world at large today.

Many foreign language majors prepare for a career in education, but the ability to speak in a second language is beneficial in any career emphasizing the global nature of our world, such as international business, media, journalism, government, social work, tourism and others. The major also prepares students for graduate work in literature, area and international studies.

Major in French or Spanish

A major in French or Spanish consists of 36 credit hours distributed as follows:

1. Complete at least 27 credit hours in the language above the elementary level, including at least six credit hours at the 400 level.
2. Survey of Literature courses (FREN/SPAN 350, 351).
3. Earn a grade of C or better in ENGL 110.
4. Earn grades of C or better in major courses.
5. Demonstrate oral and written proficiency through a standardized test and oral interview.

The language major may be combined with study in other areas to enhance career opportunities. The department will advise students in planning an academic program to meet individual interests and career objectives. It is especially recommended that those planning careers in education and in government service study a second foreign language.

All language major students are encouraged to plan one semester of study at an institution in a country in which the target language is spoken to improve their speaking ability and learn about the culture first-hand. Credits earned through study abroad may be applied toward the major. A language major planning to enter a field such as business, education, social work, etc. should seek advisement from the department.

Teacher Certification

Language students seeking certification to teaching French/Spanish in secondary schools must fulfill the following requirements in addition to the requirements for the major:

		Credits
EDUC 300	Development and Learning	3
EDUC 305	The School in Society	3
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 337	Foreign Language in the Secondary School	3
EDUC 426	Directed Teaching in the Secondary School	6
EDUC 428	Directed Teaching in the Secondary School	6
EDUC 433	Student Teaching Seminar-Secondary Education	3
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3
CMAT 250	Instructional Communication	3

Throughout their academic career, students have the opportunity to volunteer or tutor in local schools.

Minor in French, German or Spanish

Requirements for a minor in either French, German or Spanish consist of the following:

1. Complete at least 18 credit hours in the language, including FREN/SPAN/GERM 310, 312.
2. Earn grades of C or better in language courses taken toward the minor.
3. At least 15 hours of the minor must consist of courses not used to satisfy General Education requirements.
4. A maximum of nine credit hours of transfer credit may be applied toward the minor.

Intercultural Studies/Literature in Translation

The department offers courses in intercultural studies which are taught in English and satisfy General Education IB requirements. They offer students the experience of a direct encounter with or a close-up exposure to a culture other than their own. Through these courses, students are able to view their own cultural values in a more universal context:

		Credits
MDFL 241	The French People	3
MDFL 245	The German People	3
MDFL 246	The Russian People	3
MDFL 248	Studies in Contemporary Cultures	3

The department also offers several literature courses taught in English which satisfy General Education IA requirements. Through these courses, students are able to view another culture as it is reflected through its literature and will come to appreciate the humanistic value of literature:

		Credits
FREN 305	Short Fiction in Translation	3
FREN 350	The Rise and Fall of Sensuality	3
FREN 351	Literature of Protest	3
GERM 350	German Short Stories	3
MDFL 300	Studies in French Literature in Translation	3
MDFL 302	Comparative Literature	3
SPAN 350	The Rebel in Spanish Literature	3
SPAN 351	The Splintered Image	3

Testing Policy

The Department of Modern Languages and Intercultural Studies awards and recognizes credit through examination in French, German and Spanish. Any student officially enrolled at Salisbury State University may be granted credits through any approved examinations (placement, advanced placement, challenge, CLEP). Only nine test credits per language may be applied to either a minor or a major in that language. No credits will be awarded for 101 language courses under any circumstances, nor will credits be awarded for any type of exam for a course below the student's established level of proficiency.

Prior to receiving University academic credit, native speakers and other students may acquire credit for language skills through examination by demonstrating achievement on approved examinations administered by the Admissions Office (CLEP).

Native speakers of the language in question are eligible to receive credit, through the departmental challenge examination, only for courses in content areas, not for courses in development of language skills. Non-native students who continue their language study at Salisbury State University after having begun in high school, demonstrate achievement on the placement tests provided by the Department of Modern Languages and Intercultural Studies, and complete an appropriate course with a C or better may qualify for University credit.

Placement tests are given the first two days of classes each semester. Students are eligible to take placement tests only during the first semester in which they are enrolled in a particular language. Students who demonstrate advanced standing through the placement test will be eligible for University credit as follows:

Placement	Credits
Intermediate (201)	3 for level 102
Intermediate (202)	6 for 102 and 201
Advanced (300 level)	9 for levels 102, 201 and 202

Transfer Students

Transfer foreign language students must complete 15 semester hours in major courses at Salisbury State University with minimum grades of C.

Curriculum Guide: Bachelor of Arts in French

The following is a sample sequence of courses for students majoring in French. Students should consult regularly with their advisors when developing their individual program plans and selecting courses. Students majoring in Spanish, attempting a language minor or combining their language study with specialization in another area should see the department for a checklist of requirements for their individual program.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
FREN 201	Intermediate French	3
	Group IIB Elective	3
	Group IIIA Elective	4
		16

ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
FREN 202	Intermediate and Applied French	3
	Group IB Elective	3
	Group IIIA Elective	3
		15

SOPHOMORE YEAR

FREN 312	French Conversation	3
PHEC 106	Personalized Health/Fitness	3
	Second Foreign Language 101	3
	Group IIB Elective	3
	Group IIIB Elective	3
		15
FREN 310	French Grammar and Composition	3
	Second Foreign Language 102	3
	Group IIB Elective	3
	Group IIIC Elective	3
	Elective	3
		15

JUNIOR YEAR

ENGL 110	Introduction to the Study of Language	3
FREN 316	French Culture and Civilization I	3
FREN 350	French Literature	3
FREN 402	Advanced Conversation	3
	Second Foreign Language 201	3
		15
FREN 317	French Culture and Civilization II	3
FREN 303	Reading Skills and Strategies	3
FREN 351	French Literature	3
	Second Foreign Language 202	3
	Elective	3
		15

SENIOR YEAR

FREN 401	Advanced Composition and Morphology	3
	Second Foreign Language	3
	Electives	9
		15
FREN 325	Culture Through Literature	3
	Second Foreign Language	3
	Electives	9
		15

Music

Chair
Associate Professor Richard Johnson, D.M.A.; *instrumental music; conducting*
Professor
Thomas Elliot, D.M.A.; *orchestra*
Associate Professors
Linda Cockey, D.M.A.; *piano, music history*
Duane Karna, D.M.A.; *choral music, fundamentals*
Ray Zeigler Jr., D.Ed.; *electronic music, music appreciation*
Assistant Professor
Beth Wiemann, Ph.D. (visiting); *composition, woodwinds, electronic music*

The Department of Music offers a program leading to the Bachelor of Arts in music, engaging students in a comprehensive study of music within a traditional liberal arts curriculum. The department is dedicated to helping students develop excellence in performance and in the classroom; prepare comprehensively as musicians/teachers; understand music in a historical, theoretical and aesthetic context; communicate effectively; and demonstrate cognitive, psychomotor skills and aesthetic understanding related to music. The program is a foundation for specialized study in music and helps students pursue musical interests that go beyond their academic life. Within the program, students may specialize in performance, composition, theory/history, arts administration, church music and electronic music.

To be accepted in the Bachelor of Arts program, students must pass a music audition upon enrollment in the University. Audition appointments should be arranged with the chair of the Department of Music prior to the first semester of study.

Major in Music

Students must meet the following requirements with a cumulative GPA of 2.5.

1. Complete the following core:

		Credits
MUSA 108	Class Voice I	2
MUSA 109	Class Voice II	2
MUSC 200	Fundamentals	3
MUSC 203	Theory I	3
MUSC 204	Theory II	3
MUSA 205	Class Piano I	2
MUSA 206	Class Piano II	2
MUSC 303	Theory III	3
MUSC 304	Theory IV	3
MUSC 305	Music History I	3
MUSC 306	Music History II	3
MUSC 310	Conducting and Score Reading	3
MUSC 425	Musical Form and Analysis	3
MUSC 426	Arranging for Voices and Instruments	3
MUSC XXX	Literary History Course	3

2. Complete eight semester hours in primary ensemble as determined by instrumental or vocal emphasis (Chamber Choir, Symphony Orchestra or Wind Sinfonia): MUSA 105, 106 or 107.
3. Complete eight semester hours of applied study in their primary instrument or vocal area: MUSA 138, 139, 238, 239, 338, 339, 438 or 439.

Teacher Certification

Students can qualify for K-12 teaching certification in music by taking methods courses at either SSU or the University of Maryland Eastern Shore. See the Music Department for details.

The Music Department also offers courses that will qualify students majoring in elementary education to apply for a state endorsement to teach general music in Maryland elementary schools. Eligibility for this endorsement requires a minimum of 16 semester hours in music, with MUSA 200: Basic Music Theory completed as a prerequisite to the music courses taken toward the endorsement. Students are also advised to strengthen their preparation by taking one of the following courses to satisfy General Education Group B requirements:

		Credits
MUSC 114	Music Appreciation	3
MUSC 120	Basic Music Theory	3

Students seeking state endorsement in elementary school music should see the chair of the Music Department and an education counselor to plan the particular sequence of courses they will complete.

Minor in Music

The minor in music complies with current requirements of the National Association of Schools of Music and has been designed for students with substantial precollegiate background in music who intend to pursue careers in other fields. The goal of the minor is to raise the level of students' overall proficiency in music and to provide them with a comprehensive view of the discipline. Within the minor, students' course selections can help them focus on performance, theory, history or musicianship.

The department especially recommends a minor in music for students preparing to be general elementary school teachers, or specialist arts and sciences teachers at the junior- or high-school level. The minor is inappropriate for students preparing to be school music teachers.

Students who wish to minor in music must first arrange an interview with a member of the music faculty. The chair of the Music Department will assign each student in the minor a music faculty advisor.

The minor requires the following courses:

1. Complete six credits of music prerequisites (either may be used to satisfy General Education Group IB requirements):

		Credits
MUSC 200	Fundamentals	3
MUSC 114	Music Appreciation	3

2. Satisfy the following 18 credit hours with grades of C or better:

		Credits
MUSC 203	Theory I	3
MUSC 204	Theory II	3
MUSC XXX	Literature	3
MUSA XXX	*Applied Music	3
MUSA XXX	Ensemble Electives	2
MUSC XXX	Electives	4

* three semesters, one credit each

Transfer Students

Transfer students must complete all requirements for the major, with a minimum of 15 semester hours in music completed at Salisbury State University.

Curriculum Guide: Bachelor of Arts in Music

The following is a sample sequence of courses for students majoring in music. Students should consult regularly with their advisors when developing their individual program plans and selecting courses. Students must successfully test out of MUSC 200 before they begin MUSC 203.

FRESHMAN YEAR		**Credits**
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
MUSC 203	Theory I	3
MUSA 138	Applied Music I	1-2
MUSA 205	Class Piano I	2
MUSA XXX	Ensemble	1
	Group IIIA Elective	4
		17-18
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
MUSC 204	Theory II	3
MUSA 139	Applied Music II	1-2
MUSA 206	Class Piano II	2
MUSA XXX	Ensemble	1
	Group IIIA Elective	4
		17-18

SOPHOMORE YEAR

ENGL XXX	Literature Elective	3
MUSC 303	Theory III	3
MUSA 108	Class Voice I	2
MUSA 238	Applied Music III	1-2
MUSA XXX	Ensemble	1
PHEC 106	Personalized Health/Fitness	3
	General Education Elective	3
		16-17
MUSC 114	Music Appreciation	3
MUSC 304	Theory IV	3
MUSA 109	Class Voice II	2
MUSA 239	Applied Music IV	1-2
MUSA XXX	Ensemble	1
	General Education Elective	3
	Elective	3
		16-17

JUNIOR YEAR

MUSC 305	Music History I	3
MUSC 310	Conducing and Score Reading	3
MUSC 425	Musical Form and Analysis	3
MUSA 338	Applied Music V	1-2
MUSA XXX	Ensemble	1
	Electives	6
		17-18
MUSC 306	Music History II	3
MUSA 339	Applied Music VI	1-2
MUSA XXX	Ensemble	1
	General Education Electives	6
	Elective	3
		14-15

SENIOR YEAR

MUSA 438	Applied Music VII	1-2
MUSC XXX	Literature	3
MUSA XXX	Ensemble	1
MUSC 426	Arranging for Voices and Instruments	3
	General Education Electives	6
		14-15
MUSA 439	Applied Music VIII	1-2
MUSA XXX	Ensemble	1
	General Education Electives	12
		14-15

Philosophy

Chair
Professor Jerome A. Miller, Ph.D.; *philosophy of religion, theory of knowledge, phenomenology*
Professor
Francis I. Kane, Ph.D.; *political/ancient philosophy, medical ethics*
Assistant Professors
Grace A. Clement, Ph.D.; *feminism, ethics, contemporary analytical philosophy*
James Hatley, Ph.D.; *ethics, aesthetics, contemporary continental philosophy*
Lecturer
Mary K. Bloodsworth, M.A.; *feminist theory, continental philosophy*

The Department of Philosophy offers a program leading to the Bachelor of Arts in philosophy that develops students' abilities to think critically, examine fundamental questions about the nature of the self and the world, and thus to establish a foundation for intelligent action in the world. Students are exposed to a variety of philosophical perspectives and asked to philosophize. Because philosophy teaches clear, coherent and creative thinking, it can be of service in almost any field, particularly law, medicine, government, education, computers, publishing and business. The department also prepares students for graduate study in law, theology, social work and philosophy.

Major in Philosophy

The philosophy curriculum consists of the following 30 credit hours with minimum grades of C in each course (at least 15 hours must be taken at the 300/400 level):

1. Complete two introductory-level courses:

		Credits
PHIL 101	Introduction to Philosophy	3
PHIL 103	Critical Thinking	3
or		
PHIL 202	Introduction to Symbolic Logic	3

2. Select three of the following classical core courses focusing on fundamental philosophical issues:

		Credits
PHIL 203	Ethics	3
PHIL 215	Philosophy of Human Nature	3
PHIL 300	Philosophy of Art and Beauty	3
PHIL 305	Political Philosophy	3
PHIL 306	Metaphysics	3
PHIL 325	Philosophy of Religion	3
PHIL 330	Theory of Knowledge	3
PHIL 402	The Problem of God	3
PHIL 406	Philosophy of Science	3

3. Take two of the following problem area courses, in which philosophical concepts are applied to contemporary problems or particular areas of human experience:

		Credits
PHIL 206	Contemporary Moral Issues	3
PHIL 220	Career Fulfillment and The Public Good	3
PHIL 310	Studies in Philosophy	3
PHIL 315	Life and Death Issues in Health Care: The Ethical Perspective	3
PHIL 316	Philosophy and Feminism	3
PHIL 317	The Body and The Self	3
PHIL 320	American Philosophy	3
PHIL 321	Love Marriage and Family: Philosophical Reflections	3
PHIL 326	Environmental Responsibility	3
PHIL 328	A Defense of the Comic View of Life	3
PHIL 450	Philosophical Concepts in Literature	3

4. Select two history of philosophy courses with at least one from the following list:

		Credits
PHIL 302	History of Modern Philosophy	3
PHIL 303	Contemporary Philosophy	3
PHIL 308	Ancient Philosophy	3
PHIL 309	Medieval Philosophy	3

Other courses which satisfy this requirement are:

		Credits
PHIL 310	*Studies in Philosophy	3
PHIL 312	Eastern Philosophies	3
PHIL 320	American Philosophy	3
PHIL 326	Philosophy of Reverence	3
PHIL 403	Existentialism	3

* if history oriented

5. Choose one of the following seminar-level courses, in which students deal creatively with a philosophical issue:

		Credits
PHIL 475	Seminar in Philosophy	3
PHIL 490	Independent Study	1-3

Minor in Philosophy

The minor in philosophy consists of 18 hours of coursework, nine of which must be at the 300/400 level. All work applied toward the minor must be completed with grades of C or better and at least 15 hours must be credits not applied toward General Education or major requirements. Included in the 18 hours must be at least one course from each of the following four categories (as described above): introductory-level courses, classical core courses, history of philosophy courses and problem area courses.

Curriculum Guide: Bachelor of Arts In Philosophy

A total of 120 hours is needed for graduation in the philosophy curriculum. The following is a sample sequence of courses for students majoring in philosophy. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
PHIL 101	Introduction to Philosophy	3
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
	Group IIIA Elective	4
	Group IB Elective	3
		16
PHIL XXX	Classical Core	3
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
	Group IIIB Elective	3
	Group IIB Elective	3
		15
SOPHOMORE YEAR		
PHIL 202	Introduction to Symbolic Logic	3
PHIL XXX	Problem-Oriented	3
ENGL XXX	Literature	3
	Group IIIA Elective	3
	Elective	3
		15
PHEC 106	Personalized Health Fitness	3
PHIL XXX	Classical Core	3
	Group IIB Elective	3
	Group IIIC Elective	3
	Elective	3
		15
JUNIOR YEAR		
PHIL XXX	Classical Core	3
PHIL XXX	History of Philosophy	3
	Electives	9
		15
PHIL XXX	History of Philosophy	3
PHIL XXX	Problem-Oriented	3
	Electives	9
		15
SENIOR YEAR		
PHIL XXX	Philosophy Elective	3
PHIL 475	Seminar in Philosophy	3
	Electives	9
		15
PHIL XXX	Philosophy Elective	3
PHIL 490	Independent Study	3
	Electives	6
		15

Political Science

Chair
Professor Harry Basehart, Ph.D.; *state and local politics, research methods*
Associate Professors
Gregory Cashman, Ph.D.; *international relations, European and Russian politics*
Cyril K. Daddieh, Ph.D.; *international relations, African third world politics*
Michael O'Loughlin, Ph.D.; *political theory, American public policy*
Assistant Professor
Erin M. Fitzsimmons, J.D. (visiting); *environmental law and policy, legal process and politics*

The Department of Political Science offers a program leading to the Bachelor of Arts in political science, which furthers the understanding of political processes and structures at the local, national and international levels. Central concerns include the relationship between governmental leaders and citizens, the relationships between nations and the effect on politics of economic, social and cultural forces.

The study of political science is a basis for citizens' responsible political participation and critical thinking, particularly in analyzing public policies. Internship and international field study courses provide hands-on experiences in the real political world.

Political science prepares students for law school and graduate programs in political science, international studies, public administration and policy sciences. Careers for political science majors include government service (local, state or federal level), law, law enforcement, journalism, political campaign management, the military, intelligence agencies and lobbying.

Major in Political Science

The major requirements include the following 34 credit hours with minimum grades of C in each course:

1. Complete the following political science core:

		Credits
POSC 101	Introduction to Politics and Government	3
POSC 110	American National Government	3
POSC 300	Methods of Empirical Political Analysis	4

2. Complete an additional 24 credit hours, 15 of which must be at the 300/400 level. At least one course must be chosen from each of the following fields:

Comparative Politics		Credits
POSC 212	Introduction to African Politics	3
POSC 310	Comparative European Government	3
POSC 311	Comparative Government of Developing Nations	3
POSC 390	International Field Study	3-6
POSC 417	Russia and the Soviet Union	3
International Politics/Foreign Policy		
POSC 210	Introduction to International Relations	3
POSC 215	American Foreign Policy	3
POSC 312	International Relations of Southern Africa	3
POSC 409	Causes of War	3
POSC 411	International Law	3
Political Philosophy		
POSC 200	Political Ideologies	3
POSC 350	Revolution and Political Change	3
POSC 401	Political Theory	3
American Politics/Public Policy		
POSC 102	Contemporary Issues	3
POSC 202	State and Local Government in the United States	3
POSC 301	Political Parties and Pressure Groups	3
POSC 315	The Presidency in American Politics	3
POSC 320	Public Policy Analysis	3
POSC 330	American Constitutional Development	3
POSC 340	Political Science Internship	3-9
POSC 341	Political Science Internship Seminar	3
POSC 430	The Congress in American Politics	3
POSC 440	Public Administration	3

POSC 101 and 110 should be completed by the end of the freshman year. POSC 300 should be taken in the fall semester of the junior year.

Depending upon specific interests within political science, students are encouraged to take courses in economics, foreign languages and/or statistics.

Minor in Political Science

The minor in political science consists of a minimum of 18 credit hours with minimum grades of C. POSC 101 or 110 is required and at least six of the 18 hours must be upper-division credits. Only three of the 18 credit hours may apply for General Education requirements.

Interested students should contact the department chairperson.

Curriculum Guide: Bachelor of Arts In Political Science

The following is a sample sequence of courses for students majoring in political science. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
POSC 101	Introduction to Politics and Government	3
PHEC 106	Personalized Health/Fitness	3
	Group IB Elective	3
		15
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
POSC 110	American National Government	3
	Group IIIA Elective	4
	General Elective	3
		16
SOPHOMORE YEAR		
ENGL XXX	Literature Elective	3
POSC XXX	200-Level Electives	6
	Group IIB Elective	3
	Group IIIB Elective	3
		15
POSC XXX	200/300-Level	3
	Group IB Elective	3
	Group IIB Elective	3
	Group IIIA Elective	4
	General Elective	3
		16
JUNIOR YEAR		
POSC 300	Methods of Empirical Political Analysis	4
	General Electives	9
	Group IIIC Elective	3
		16
POSC XXX	300/400-Level Electives	6
	General Electives	9
		15
SENIOR YEAR		
POSC XXX	300/400-Level Electives	6
	General Electives	9
		15
POSC XXX	300/400-Level Elective	3
	General Electives	12
		15

Psychology

Chair
Professor George I. Whitehead, Ph.D.; *social, experimental design/analysis*
Professors
Edmund T. Delaney, Ph.D.; *general, abnormal psychology*
Kathleen V. Fox, Ph.D.; *educational, developmental psychology*
Robert W. Graff, Ph.D.; *counseling psychology, death education*
Ronald R. Ulm, Ph.D.; *experimental, learning and motivation*
Associate Professors
Lynne Carroll, Ph.D.; *counseling and psychotherapy, personality*
Natalie W. Hopson, Ph.D.; *clinical, general studies*
Natalia H. Stovall, Ph.D.; *cognitive-behavioral interventions*
Assistant Professors
Charisse Chappell, Ph.D.; *assessment*
J. Craig Clarke, Ph.D.; *perception and cognition, experimental aesthetics*
Adeline S.C. Tryon, Ph.D.; *childhood psychopathology*
I. Eugene White, Ph.D.; *human sexuality, men's studies*
Lecturer
Marta Losonczy, M.A.; *developmental, clinical*

The Department of Psychology offers a program leading to a Bachelors of Arts in psychology, providing the knowledge and skills necessary to pursue study in psychology beyond the B.A., or to obtain employment in liberal arts or human services fields. Further, the department serves non-majors fulfilling General Education, minor or other program requirements.

The Department of Psychology encourages a

broad-based liberal arts background for all majors. The psychology curriculum focuses on the scientific method and its use in psychological research; examines psychological literature in areas such as developmental, physiological and social; and helps students communicate psychological information effectively.

Major in Psychology

Students must complete a minimum of the following 37 hours in psychology coursework:

1. Satisfy 16 credits in core requirements:

		Credits
PSYC 101	*General Psychology	3
PSYC 211	*Psychology and Scientific Inference	3
PSYC 220	Psychological Statistics	3
PSYC 304	Experimental Psychology	4
PSYC 305	Psychology of Learning	3

* prerequisite for many of the major courses; it is recommended that psychology majors take these early in their academic career

2. Complete 21 credits in selected requirements (SR), including one course each from groups A, B, C and D; remaining hours may be taken from any of the groups:

A.		Credits
PSYC 300	Developmental Psychology	3
PSYC 320	Psychology of Infancy and Childhood	3
PSYC 321	Psychology of Adolescence	3
PSYC 322	Psychology of Aging	3

B.		Credits
PSYC 312	Physiological Psychology	3
PSYC 415	Motivation and Emotion	3
PSYC 450	Sensation and Perception	3

C.		Credits
PSYC 306	Social Psychology	3
PSYC 407	Psychology of Personality	3
PSYC 408	History and Systems in Psychology	3
PSYC 409	Environmental Psychology	3
PSYC 445	Cognitive Psychology	3

D.		Credits
PSYC 302	Abnormal Psychology	3
PSYC 360	Clinical/Counseling Psychology	3
PSYC 403	Measurement and Evaluation	3
PSYC 423	Psychology of the Exceptional Child	3
PSYC 465	Principles and Techniques of Group Therapy	3

E.		Credits
PSYC 333	Effective Parenting	3
PSYC 335	Basic Helping Relationships	3
PSYC 370	Psychology and the Criminal Justice System	3
PSYC 430	Learning Theory and Its Application	3

F.		Credits
PSYC 215	Psychology Applied to Daily Living	3
PSYC 323	Psychology of Death and Dying	3
PSYC 325	Psychology of Sexuality	3
PSYC 334	Psychology of Women	3
PSYC 336	Psychology of Men	3
PSYC 406	Psychology of Attitudes and Attitude Change	3
PSYC 485	Psychology Practicum	3
PSYC 490	Individual Directed Study	1-3
PSYC 495	Selected Topics in Psychology	1-3

G.		Credits
PSYC XXX	Electives	3-6

The psychology program permits a major to complete departmental requirements within approximately three years. Double majors must meet all the requirements of a regular psychology major.

Minor in Psychology

The minor in psychology consists of a minimum of the following 18 hours (at least 15 hours must consist of courses not used to satisfy General Education requirements):

1. Complete the following core course:

		Credits
PSYC 101	General Psychology	3

2. Select 15 or more hours of which nine must be from the 300/400 level.

Transfer Students

Transfer students majoring in psychology must complete a minimum of 15 hours of psychology courses at Salisbury State University.

Curriculum Guide: Bachelor of Arts In Psychology

The following is a sample sequence of courses for students majoring in psychology, which requires 120 credit hours for graduation. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
PSYC 101	General Psychology	3
	Group IIIA Elective (Lab Science)	4
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
PSYC 211	Psychology and Scientific Inference	3
PSYC XXX	*SR-A	3
	Group IIIA Elective (Lab Science)	4
		16
SOPHOMORE YEAR		
PSYC XXX	*SR	3
PSYC XXX	*SR-D	3
	Group IB Elective	3
	Group IIB Elective	3
	Group IIIB Elective	3
		15
PSYC XXX	*SR-C	3
ENGL XXX	Literature Elective	3
	Group IB Elective	3
	Group IIB Elective	3
	Group IIIC Elective	3
		15
JUNIOR YEAR		
PSYC 220	Psychological Statistics	3
PSYC XXX	*SR-B	3
PSYC XXX	*SR	3
	General Electives	6
		15
PSYC 304	Experimental Psychology	4
PSYC 305	Psychology of Learning	3
PSYC XXX	*SR	3
	General Electives	6
		16
SENIOR YEAR		
	General Electives	12
	General Electives	15

* see selected requirements (SR) under Major in Psychology

Sociology

Professor
Alfred K. Talbot Jr., Ed.D.; *criminology, sociology of education, complex organizations, racial and cultural minorities*
Associate Professors
Charles E. Cipolla, Ph.D.; *sociology of health and illness, aging, mental disorders, community sociology*
Edward J. Steffes, Ph.D.; *social research, demography, family sociology, sociology of gender*
Assistant Professor
Allan Pappas Jr., Ph.D.; *social stratification, political sociology, sociological theory*

The Department of Sociology offers a program leading to a Bachelor of Arts in sociology, which generates interest in how the experiences and behavior of individuals are shaped by social forces. Students gain understanding of the social world they live in and learn to deal with people and organizations in their everyday lives.

Sociology is a valuable preparation for careers in a wide variety of fields including social research, criminology, demography, social psychology, public administration, gerontology, education, rehabilitation, social work and market research. It provides a useful background for law, business, medicine, community planning and politics.

Sociology prepares students for most graduate programs in the liberal arts and social sciences. Through its strong emphasis in the core areas of theory and social research, the curriculum particularly enables students to successfully study sociology beyond the B.A.

Major in Sociology

Students must complete the following 37 hours in sociology, at least 21 of which must be at the 300/400 level, with grades of C or better in each course:

1. Complete the following 22 core hours:

		Credits
SOCI 101	Introduction to Sociology	3
SOCI 331	Racial and Cultural Minorities	3
SOCI 309	Research I, Social Research Methods	3
SOCI 310	Research II, Statistical Methods	4
SOCI 421	Theory I, Foundations of Sociological Theory	3
SOCI 422	Theory II, Contemporary Sociological Theory	3
SOCI 431	Senior Seminar	3

2. Select 15 hours of sociology electives.

Minor in Sociology

Students must complete a minimum of 18 hours in sociology, at least nine of which must be at the 300/400 level, with grades of C or better in each course. At least 15 hours of work in the minor must be in courses not applied toward General Education requirements.

Transfer Students

Transfer students majoring in sociology must complete at least 15 hours in sociology at Salisbury State University.

General Information

Although there are no prerequisites for many sociology courses, students are advised that 300/400-level courses are basically designed for juniors and seniors.

Departmental Honors Program

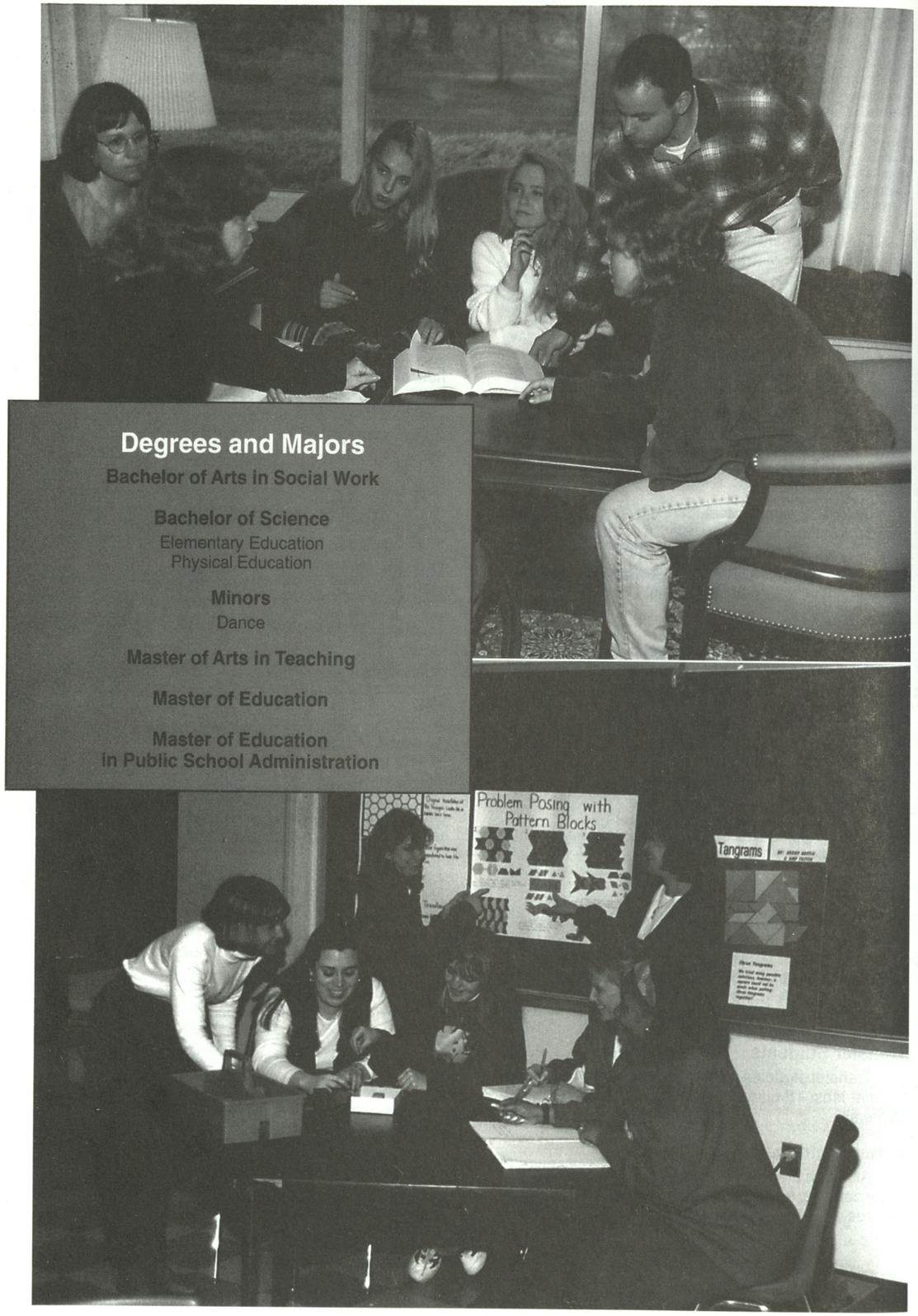
Sociology majors of outstanding ability may achieve recognition through the departmental honors program. To be considered for departmental honors, students should apply to the department chair, or be recommended to the chair by a member of the faculty, no later than the start of their senior year. The faculty will admit qualified students to SOCI 495: Independent Study for Department Honors considering each student and his/her proposal for the independent study. Students are awarded honors upon their completion of the independent study with a grade of B or better and their completion of the major coursework with a minimum 3.5 average.

Curriculum Guide: Bachelor of Arts In Sociology

The following is sample sequence of courses for students majoring in sociology, which requires 120 credit hours for graduation. Students should consult with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
	Group IB Elective	3
	Group IIIA Elective	4
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
SOCI 101	Introduction to Sociology	3
	Group IB Elective	3
	Group IIIA Elective	3
		15
SOPHOMORE YEAR		
SOCI 331	Racial and Cultural Minorities	3
ENGL XXX	Literature Elective	3
	Group IIIB Elective	3
	General Electives	6
		15
SOCI XXX	Elective	3
	Group IIIC Elective	3
	General Electives	9
		15
JUNIOR YEAR		
SOCI 309	Research I, Social Research Methods	3
	Group IIB Elective	3
	General Electives	9
		15
SOCI 310	Research II, Statistical Methods	4
	General Electives	11
		15
SENIOR YEAR		
SOCI 422	*Theory II, Contemporary Sociological Theory	3
SOCI XXX	Electives	6
	General Electives	6
		15
SOCI 421	**Theory I, Foundations of Sociological Theory	3
SOCI 415	Senior Seminar	3
SOCI XXX	Elective	3
	General Electives	6
		15

* fall semester only
** spring semester only



Degrees and Majors

Bachelor of Arts in Social Work

Bachelor of Science
Elementary Education
Physical Education

Minors
Dance

Master of Arts in Teaching

Master of Education

Master of Education in Public School Administration

School of Education and Professional Studies

Dr. Doran E. Christensen, Dean

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Dean's Office
Caruthers Hall 124A, (410) 543-6335

Education
Caruthers Hall 148, (410) 543-6281

Learning Center
Caruthers Hall 161, (410) 543-6392

Military Science
Power Professional Building 171, (410) 543-6295

Physical Education
Maggs PAC 229, (410) 548-4183

Social Work
Caruthers Hall 161, (410) 543-6305

Center for Technology in Education
Caruthers Hall 126B, (410) 548-4501

School Information

Programs in the School of Education and Professional Studies date from the University's beginnings as a school for the professional preparation of teachers. The missions of the school's departments and centers are derived from the University Mission, which commits the institution to providing students with a foundational integrated curriculum in the humanities, social and natural sciences, and mathematics; and to preparing them to work confidently and effectively in their chosen careers. The primary objectives of the school, therefore, are to provide initial and continuing education that ensures professionally competent teachers, health fitness providers, athletic trainers, social workers and school administrators who will become cooperative, innovative leaders dedicated to community service and excellence.

All the school's programs interface with the community in special and unique ways and rely on community institutions, agencies and settings for the field components. Whether in teacher education, health fitness, social work or other veins, the integration of theory and practice takes place in field sites generously provided by the University's surrounding community.

The teacher education, physical education, social work and military science programs are cooperative with the University of Maryland Eastern Shore. The institutions' dual degree program in sociology/social work has been in operation for over five years, and a cooperative Master of Arts in teaching is being implemented in fall 1996.

Scholarships and awards available in the school include the following:

Christopher Scholars in Education
Johnson Scholarship in Education
Seidel Scholars Program in Education
Army ROTC Scholarships
Carey-Simmons Education Scholarship
Simonds and May Scholarship
Worcester County Teachers' Association Grant
Outstanding Senior Student Athletic Trainer Award
Physical Education Excellence Award
Social Work Student of the Year Award
E. Pauline Riall Achievement Award
Anne H. Matthews Soroptomist Award
Caruthers Memorial Fund Scholarship
Wicomico Woman's Club Inc. Scholarship
Worcester County Teachers Association Scholarship
Salisbury State University Scholar Athlete Award

Accreditation

The Bachelor of Social Work is accredited by the Council on Social Work Education. All teacher education programs are approved by the Maryland State Department of Education.

Honorary and Professional Organizations

Student National Education Association
Kappa Delta Pi (honor society in education)
Social Work Club
Social Work Honor Society
Physical Education Majors' Society
Dance Company

Education

Chair
Associate Professor Ellen V. Whitford, Ed.D.; *school administration, curriculum*
Director of Field Experiences
Sharon Clark, Ph.D.; *staff development, science education*
Professors
Keith J. Conners, Ph.D.; *foundations, higher education*
Leonard J. Garigliano, Ed.D.; *science education/research*
Charles K. Long, Ph.D.; *cooperative learning, classroom management, teacher education*
Geraldine N. Rossi, Ed.D.; *mathematics education*
John Wolinski, Ph.D.; *reading/language arts*
John W. Wulff, Ed.D.; *elementary administration, curriculum teaching, reading/teacher education*
Associate Professors
John R. Bing, Ph.D.; *educational psychology/research*
Carolyn M. Bowden, Ph.D.; *elementary/early childhood education*
Roland G. Frank, Ed.D.; *social science education*
Amy S. Meekins, Ed.D.; *curriculum instruction, elementary methods*
Assistant Professors
David M. Anderson, Ed.D.; *technology/foundation of education*
Eva K. Anderson, Ph.D.; *special education, education psychology*
Joel T. Jenne, Ph.D.; *social studies/curriculum*
Nancy L. Michelson, Ph.D.; *reading, writing, English*
Debra Thatcher, Ph.D.; *early childhood education/curriculum/instruction*
James R. Replogle, Ed.D.; *school administration*
Patricia O. Richards, Ed.D.; *reading/language arts*
Lecturer
Richard S. Dubsky, Ph.D.; *developmental math/philosophy*

The Department of Education offers programs leading to the Bachelor of Science in elementary education. Students may also earn secondary education certification in a number of liberal arts and science disciplines including biology, chemistry, English, French, Spanish, history, mathematics and physical education. In collaboration with the University of Maryland Eastern Shore, students may earn certification in art and music.

The education faculty is committed to preparing classroom teachers and other educational personnel. The department's programs are designed with the following goals:

1. Provide for the individualization of instruction of prospective teachers during their professional training.
2. Encourage the emergence of a personal teaching style on the part of each teacher in training.
3. Gather evidence that prospective teachers can bring about desired learning in students before they assume full responsibility for a classroom.
4. Assist prospective teachers in developing as reflective persons who, when confronted with a teaching problem, carefully identify the problem, take steps to accurately and systematically assess the problem, generate alternative solutions to the problem and choose an appropriate resolution on the basis of its desirable implications and consequences.
5. Help prospective teachers develop self-confidence and competence as effective learners and teachers.
6. Emphasize the importance of increasing interaction and collaboration among teachers, new and experienced, in resolving educational problems.
7. Prepare teachers who are responsible agents of educational change.

Major in Elementary Education And Secondary Teaching Certification

Admission to Methods

Prior to enrolling in methods courses, education students must do the following:

1. Satisfactorily complete the National Teacher's Examination as defined by the University and the School of Education and Professional Studies.
2. Complete an application for formal admission to the professional program prior to entrance into elementary methods and to EDUC 306 for the secondary and K-12 programs.
3. Complete a minimum of 56 credit hours with an overall grade point average of 2.5 or better, including transfer credit. The 56 credits must include the following courses with grades of C or better:

		Credits
EDUC 300	Development and Learning	3
EDUC 305	The School in Society	3
CMAT 250	*Instructional Communication	3
ENGL 101	Principles of Composition	3
ENGL 102	Principles of Literature	3

* transfer students who have CMAT 100: Fundamentals of Communication may use it to satisfy CMAT 250: Instructional Communication

and elementary education majors must take the following course with a grade of C or better:

		Credits
MATH 103	Fundamental Concepts I	3

4. Submit at least three positive recommendations from liberal arts faculty who have instructed the student prior to application for admission.
5. Obtain written approval of the application from the advisor(s) and the department chair.

Students who wish to enroll in a K-12 program or in a secondary program must further select a major in one of the academic disciplines with an MSDE-approved program and meet the respective department's major requirements. Students must earn a minimum grade point average of 2.75 in the academic major courses (secondary or K-12 programs) as defined by each academic department.

Admission to Student Teaching

Prior to student teaching, education students must do the following:

1. Complete the written application for student teaching.
2. Complete a minimum of 90 credits including methods and at least 24 credit hours of the academic major (secondary and K-12 programs).
3. Have an overall grade point average of at least 2.5 including transfer credit.
4. Have a minimum grade point average of 2.75 in the academic major courses (secondary or K-12 programs) as defined by each academic department.
5. Have a minimum average of 2.75 in the professional education courses with no grade below C.
6. Submit two positive recommendations from faculty in education and the major advisor.
7. Obtain verification of completion of these requirements from the director of field experiences.

Additional Requirements

1. Elementary Education
   a. To be eligible for student teaching, all elementary education majors must complete the following 15 hours in education methods with grades of C or better:

		Credits
ELED 310	Elementary School Communication Arts Methods	3
ELED 311	Elementary School Mathematics Methods	3
ELED 312	Elementary School Science Methods	3
ELED 313	Teaching Social Studies in the Elementary School	3
ELED 316	Elementary School Reading Methods	3

   b. To complete the elementary education major, all students must complete the following courses with grades of C or better:

		Credit
EDUC 408	Children's Literature	3
or		
EDUC 409	Adolescent Literature	3
EDUC 427	Classroom Analysis and Correction of Reading Difficulties	3

and pass the following courses:

ELED 401	Directed Teaching in the Elementary School	6
ELED 402	Directed Teaching in the Elementary School	6
ELED 411	Instructional Analysis in the Elementary School	3

2. Secondary Education
   a. To be eligible for student teaching, all students enrolled in a K-12 program or in a secondary program must complete the appropriate methods course and the following courses in education with grades of C or better:

		Credits
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3

   b. All English and history secondary education majors are required to take the following course:

		Credits
SCED 422	Foundations of Reading	3

   c. All secondary education majors are required to pass the following courses:

		Credits
SCED 426	Directed Teaching in the Secondary School	6
SCED 428	Directed Teaching in the Secondary School	6
SCED 433	Student Teaching Seminar-Secondary Education	3

3. Students may repeat education courses only once.

Curriculum Guide: Bachelor of Science In Elementary Education

The following is a sample sequence of courses for students majoring in elementary education. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
BIOL 101	Fundamentals of Biology	4
PHEC 106	Personalized Health/Fitness	3
		13
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
MATH 103	Fundamental Concepts I	3
CHEM 107	*Chemistry: A Humanistic Perspective	4
or		
CHEM 109	Energy and the Environment	4
PSYC 101	General Psychology	3
		16

SOPHOMORE YEAR		
MUSC 200	Fundamentals	3
EDUC 300	Development and Learning	3
HIST 201	History of the United States	3
or		
HIST 202	History of the United States	3
CMAT 250	**Instructional Communication	3
	Science Elective (Physical Geography)	3
		15
MATH 104	Fundamental Concepts II	3
or		
MATH XXX	Other	3
ENGL XXX	Literature Elective	3
ART 375	Methods and Materials for Elementary Art	3
EDUC 305	The School in Society	3
	***Group IIB Elective	3
	***Physical Science Elective	3
		18

JUNIOR YEAR		
ELED 310	Elementary School Communication Arts Methods	3
ELED 311	Elementary School Mathematics Methods	3
ELED 312	Elementary School Science Methods	3
ELED 313	Literature for Adolescents	3
		12
ELED 316	Elementary School Reading Methods	3
EDUC 408	Children's Literature	3
or		
EDUC 409	Literature for Adolescents	3
EDUC 427	Classroom Analysis and Correction of Reading Difficulties	3
	Electives	6
		15

SENIOR YEAR		
ELED 401	Directed Teaching in Elementary School	6
ELED 402	Directed Teaching in Elementary School	6
ELED 411	Instruct. Analysis in the Elementary School	3
		15
	Electives	12

* PHYS 100: Physics in the Modern World, GEOL 103: Introduction to Physical Geology, etc.
** transfer students who have CMAT 100: Fundamentals of Communication may use it to satisfy CMAT 250: Instructional Communication
*** at least one geography course must be completed—if not taken under physical geography in sophomore year, take human geography here

Military Science

Assistant Professor
Maj. Anthony N. Wenger, M.Ed., M.A.; *military/counter intelligence*

Through a cross-enrollment agreement with the University of Delaware, Salisbury State offers four- and two-year programs leading to a commission as a second lieutenant in the United States Army. The program, known as Army ROTC (Reserve Officer Training Corps), emphasizes leadership and management skills. Full and partial tuition scholarships are available for qualified individuals. Advanced course and scholarship recipients receive a stipend of $150 per month. Students enroll in military science courses at SSU and take them at the University of Delaware or a selected field site.

Four-Year Program

The four-year program consists of a two-year basic course and a two-year advanced course. The basic course, normally taken during the freshman and sophomore years, covers management principles, national defense, military history, leadership development, military courtesy, discipline and customs. The basic course imposes no military obligation on students and they may withdraw at any time prior to the beginning of the third year.

The advanced course provides further instruction in leadership development, organization and management, and tactics and administration. When students

enter the advanced course they agree to finish ROTC instruction, to accept a commission and to accept an Army assignment—either active duty, National Guard or Army Reserve.

Students in the advanced course participate in the six-week ROTC Advanced Camp during the summer between the junior and senior years of college. This camp is a prerequisite for commissioning.

Two-Year Program

The two-year program permits junior community college transfers, students with prior military service, students who have not taken Army ROTC prior to the end of their sophomore year, or students going on to a two-year post-graduate course of study to take ROTC. Applicants for the two-year program without any prior military experience must complete six weeks of training during the summer before taking the advanced course. This summer leadership training is called ROTC Basic Camp.

Course Requirements

Since ROTC is not a major, all courses apply as elective credit toward graduation.

1. Basic course requirements:

		Credits
MISC 105	Organizational Leadership I	1
MISC 106	Organizational Leadership II	1
MISC 205	Military Skills I	2
MISC 206	Military Skills II	2

2. Advanced course requirements:

		Credits
MISC 301	Physical Training Leadership	1
MISC 305	Applied Leadership I	3
MISC 306	Applied Leadership II	3
MISC 310	Small Unit Leadership	1
MISC 405	Military Management I	3
MISC 406	Military Management II	3
MISC 410	Military Management Lab	2

Physical Education

Chair
Associate Professor A. Dean Burroughs, M.A.; *teacher/outdoor education*
Associate Professor
Grady Armstrong, Ed.D.; *leisure studies*
Jack Stovall, Ph.D.; *teacher education*
Assistant Professors
Victoria V. Hutchinson, Ed.D.; *dance*
Ward Lambert, M.A.; *teacher education*
Susan M. Muller, Ph.D.; *health fitness*
Thomas P. Stitcher, Ed.D.; *teacher education*
Carol A. Wood, Ph.D.; *teacher education*
Instructors
Mary Ann Fardelmann, M.S.; *athletic training*
Steven M. Meyer, M.Ed.; *athletic training*

The Department of Physical Education offers programs leading to the Bachelor of Science, preparing students to work confidently and effectively in teacher education, health fitness, athletic training and related fields. All University students are invited to pursue the department's dance minor.

The department attempts to attract top quality students into an environment conducive to learning socially, physically and mentally, and to develop and maintain appropriate facilities and other resources necessary to effectively educate students. The department is working toward National Athletic Trainers' Association (NATA) accreditation of its undergraduate athletic training program, and is dedicated to producing an accessible, well-rounded and fundamentally sound dance program.

The department's programs afford numerous professional career and graduate school opportunities:

	Careers	Graduate Programs
Teacher Education	Public & Private Schools K-12 Teachers	M.A., Ph.D.
Athletic Training	Athletic Trainers in Schools, Colleges, Clinics, Professional Sports, Industrial Setting	M.S., Ph.D.
Health Fitness	Fitness Trainers and Health Specialists in Sports Clubs, Corporate Wellness Directors, Clinical Testing and Rehabilitation Professionals	M.S., Ph.D. in Related Fields

Major in Physical Education

The Bachelor of Science in physical education includes a General Education experience, a theoretical core of foundation courses, a choice among several career-oriented tracks or an individually designed track of professional courses, and a professional semester consisting of either student teaching or a practicum coupled with a seminar.

Physical education requirements prior to student teaching or taking the practicum are as follows:

1. Complete the following General Education courses:

		Credits
BIOL 215	Human Anatomy and Physiology	4
BIOL 216	Human Anatomy and Physiology	4
PHYS XXX or CHEM XXX	Laboratory Course (excluding Astronomy) Laboratory Course	4
PSYC 101	General Psychology	3
DANC 202	Dance History (Dance minors only)	3

2. Complete the following 23 credit hours in physical education core courses with grades of C or better:

		Credits
HLTH 201	First Aid and Safety	3
PHEC 250	Introduction to Human Movement Studies	3
PHEC 255	Motor Learning	3
PHEC 350	Measurement and Evaluation in Physical Education	3
PHEC 432	Exercise Physiology	4
PHEC 433	Kinesiology	4
PHEC 451	Psychosocial Aspects of Physical Education	3

Physical education majors are exempt from PHEC 106: Personalized Health/Fitness by earning minimum grades of C in PHEC 250, PHEC 432, PHEC 433 and HLTH 201.

Each of the physical education program tracks described below requires respective certifications. A program director for each track is available for advising and counseling on required certifications.

Athletic Training Track

Requirements are as follows:

1. Complete following courses with grades of B or better (not required for BIOL 217 and PHYS 121) :

		Credits
BIOL 217	Nutrition	3
HLTH 101	Basic Health	3
PHEC 185	Introduction to Athletic Training	1
PHEC 313	Prevention and Treatment of Athletic Injuries	3
PHEC 375	Therapeutic Exercise in Athletic Training	4
PHEC 380	Therapeutic Modalities	4
PHEC 381	Assessment of the Upper Body	3
PHEC 382	Assessment of the Lower Body	3
PHEC 407	Administration and Organization for Athletic Training	3
PHEC 413	Advanced Training and Sports Medicine	3
PHEC 415	Clinical Rotation in Athletic Training	3
PHEC 479	Practicum	12
PHEC 480	Seminar	3
PHYS 121	General Physics I	4

2. Obtain current CPR and standard first aid certification from the American Red Cross.
3. Achieve a cumulative GPA of 2.5 and a GPA of 2.75 or higher in physical education before admittance into the practicum or seminar portions of the program.
4. Complete the 1,500 clinical hour requirement in an acceptable athletic training setting.

Health/Fitness Track

To receive health/fitness certification students must meet the following requirements prior to the practicum experience (enrollment in seminar may be concurrent)—all health/fitness courses must be completed with grades of C or better:

1. Complete the following core courses:

		Credits
HLTH 101	Basic Health	3
HLTH 410	Stress and Stress Management	3
PHEC 317	Nutrition, Health, and Human Performance	3
PHEC 480	Seminar	3
PHEC 481	Stress Testing and Exercise Prescription	3
PHEC 482	Fitness Programs	3
PHEC 479	Practicum	12

2. Show current CPR certification upon being admitted to the practicum experience.
3. Complete all courses prior to the practicum experience.

Individualized Track

Students may pursue an individualized physical education program under the following criteria:

1. Complete the physical education core requirements.
2. Have at least 15 credits in physical education or related disciplines at the 300/400 level.
3. Take the following course following completion of all other courses:

		Credits
PHEC 479	Practicum	12

Outdoor Education Track

Students must meet the following requirements:

1. Complete the following core courses with grades of C or better:

		Credits
ENGL 336	Wilderness in Literature	3
HIST 386	American Wilderness Experience	3
PHEC 205	Swimming and Aquatics Safety	2
PHEC 210	SCUBA Diving	3
PHEC 369	Camping/Backpacking	3
PHEC 370	Camp Leadership	3
PHEC 372	Adventure-based Leadership Education	3
PHEC 406	Administration and Organization	3
PHEC 479	Practicum	12
PHEC 480	Seminar	3

2. Obtain current CPR and standard first-aid certification.
3. Complete all courses before the practicum semester.

Teacher Certification

Students seeking certification to teach physical education must meet the following requirements:

1. Apply for formal admission to the professional program.
2. Complete a minimum of 56 credits with an overall GPA of 2.5 or better, including the following courses with grades of C or better:

		Credits
DANC 160	Introduction to Dance/Movement	1
CMAT 250	Instructional Communication	3
EDUC 300	Development and Learning	3
EDUC 305	The School and Society	3
ENGL 101	Principles of Composition	3
ENGL 102	Principles of Literature	3

3. Have a cumulative GPA of at least 2.5.
4. Show satisfactory results on the National Teachers Examination as defined by the University and the School of Education and Professional Studies.
5. Submit at least three positive recommendations from liberal arts faculty who have instructed the student prior to application for admission.
6. Obtain written approval of the application from their advisor(s) and the Department of Education chair.
7. Take a tuberculosis test.

Admission to student teaching requires the following:

1. Complete the following 25 credit hours:

		Credits
DANC 360	Dance Teaching	2
EDUC 477	Teaching Physical Education	3
HLTH 301	Contemporary Problems in Health Education	3
PHEC 229	Techniques and Strategies of Advanced Gymnastics	1
PHEC 240	Techniques and Strategies of Aquatic Programs	1
PHEC 340	Adapted Physical Education	3
PHEC 343	Elementary School Physical Education	3
PHEC 344	Team Sports Activities	3
PHEC 345	Individual and Dual-Sport Activities	3
PHEC 406	Administration and Organization	3

2. Complete a minimum of 90 credits, including methods.
3. Have a minimum GPA of 2.75 in required PHEC and EDUC courses with no grades below C.
4. Have a cumulative GPA of at least 2.5.
5. Submit two positive recommendations from faculty in physical education and the major advisor.
6. Obtain verification from the director of field experiences of completion of these requirements.

The student teaching semester consists of the following courses:

		Credits
EDUC 403	Directed Teaching in Physical Education	6
EDUC 404	Directed Teaching in Physical Education	6
EDUC 478	Student Teaching of Physical Education Seminar	2

Minor in Dance

The dance minor provides an opportunity to experience the discipline and elements of dance as an art form, to understand the historical and cultural aspects of dance, and to develop competencies in technique, teaching skills, performance and production. This minor requires completion of the following 21 credit hours, at least nine of which must be earned at the University:

1. Complete the following 15 core credit hours:

		Credits
DANC 160	Introduction to Dance/Movement	1
DANC 162	Creative Modern Dance I	2
DANC 167	Ballet I	2
DANC 202	Dance Appreciation	3
DANC 262	Creative Modern Dance II	2
DANC 267	Ballet II	2
DANC 360	Dance Teaching	2
DANC 490	Selected Topics: Composition	1

2. Select six credit hours from the following:

		Credits
DANC 168	Jazz Dance	2
DANC 323	Dance Experience	1-3

Grades of C or better are required in all courses applicable to the minor.

Curriculum Guide: Bachelor of Science In Physical Education

The following is a sample sequence of courses for students majoring in physical education through the teacher education track. The curriculum guides for athletic training and health/fitness will differ slightly. Course sequencing, grade point average requirements and program admission requirements for the department's various programs are listed on the track checklists, available from the Department of Physical Education.

All physical education majors must satisfy the competencies of the Group IV General Education requirement within their specialized curriculum. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
BIOL 101	Fundamentals of Biology	4
CMAT 250	Instructional Communication	3
PHEC 250	Introduction to Human Movement Studies	3
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
BIOL 215	Human Anatomy and Physiology	4
PSYC 101	General Psychology	3
	Group IB Elective	3
		16
SOPHOMORE YEAR		
ENGL XXX	Literature Elective	3
BIOL 216	Human Anatomy and Physiology	4
EDUC 300	Development and Learning	3
PHEC 240	Techniques and Strategies of Aquatic Programs	1
PHEC 255	Motor Learning	3
	Group IIIC Elective	3
		17
EDUC 305	The School in Society	3
DANC 360	Dance Teaching	2
PHEC 229	Techniques and Strategies of Advanced Gymnastics	1
	Group IIB Electives	6
	Physics or Chemistry Elective	3-4
		15-16
JUNIOR YEAR		
PHEC 350	Measurement and Evaluation	3
PHEC 432	Exercise Physiology	4
HLTH 201	First Aid and Safety	3
PHEC 345	Individual and Dual Sports	3
	Group IIB Elective	3
		16
PHEC 340	Adapted Physical Education	3
PHEC 343	Elementary School Physical Education	3
HLTH 301	Contemporary Problems in Health Education	3
PHEC 433	Kinesiology	4
PHEC 344	Team Sports Activities	3
		16
SENIOR YEAR		
PHEC 406	Administration and Organization	3
PHEC 451	Psychosocial Aspects of Physical Education	3
EDUC 477	Teaching Physical Education	3
	Elective	3
		12
EDUC 403	Directed Teaching in Physical Education	6
EDUC 404	Directed Teaching in Physical Education	6
EDUC 478	Seminar	3
		15

Social Work

Chair
Associate Professor Marvin G. Tossey, Ph.D.; *applied research and social policy*
Associate Professor
Robert Porter Long, M.A.; *human development*
Assistant Professors
Kay Phimister, Ph.D.; *gerontology*
Patricia P. Plaskon, Ph.D., LCSWC; *health care, disabilities*
Lecturers
Joyce Bell, M.S.W., LCSWC; *families, children*
Deborah Ann Mathews, M.S.W.; *clinical work with women and children*

Social work is a dynamic-growth profession based upon knowledge drawn from its own experience and from the social sciences. It has a code of ethics, practice standards and a nationwide system of accredited education programs.

Social workers are people who care about the needs of others, including those who are not always successful or cooperative. Members of this profession have the knowledge, skills and values to work with a wide range of people and problems. Help for an individual or a family can be as simple as an interview and as complex as promoting change in a large bureaucracy. Social workers are found in such diverse fields as mental health, child welfare, health care, public welfare, family services, developmental disabilities, services to older people, justice and substance abuse.

The Department of Social Work, accredited since 1974 by the Council on Social Work Education, prepares graduates for entry-level generalist social work practice and advanced graduate education. The department helps students develop their intellectual capacities and practice skill so that they become effective professionals and responsible citizens, and recognizes its responsibility to teach and encourage ethical behavior. Graduates of the program are awarded a Bachelor of Arts in Social Work.

Major in Social Work

Students majoring in social work must meet the following requirements (transfer students must take a minimum of 24 hours in social work at Salisbury State University):

1. Complete the following 36 credit hours of core courses with grades of C or better:

		Credits
SOWK 200	Introduction to Social Work and Social Welfare	3
SOWK 300	Human Behavior in the Social Environment	3
SOWK 302	Human Behavior in the Social Environment II	3
SOWK 305	Social Welfare Policy	3
SOWK 315	Social Work Research	3
SOWK 320	Social Work Practice I	3
SOWK 400	Social Work Practice II	3
SOWK 405	Field Instruction in Social Work I	5
SOWK 406	Field Instruction Seminar I	1
SOWK 407	Field Instruction in Social Work II	5
SOWK 408	Field Instruction Seminar II	1
SOWK 410	Social Work Practice III	3

2. Complete six credit hours of social work electives with grades of C or better.
3. Complete the following courses:

		Credits
BIOL 101	Fundamentals of Biology	4
PSYC 101	General Psychology	3
SOCI 101	Principles of Sociology	3

Students are additionally encouraged to consider elective courses in art, business administration, communication arts, economics, language, philosophy, political science, psychology, sociology and statistics. Faculty advisement in curriculum planning is required.

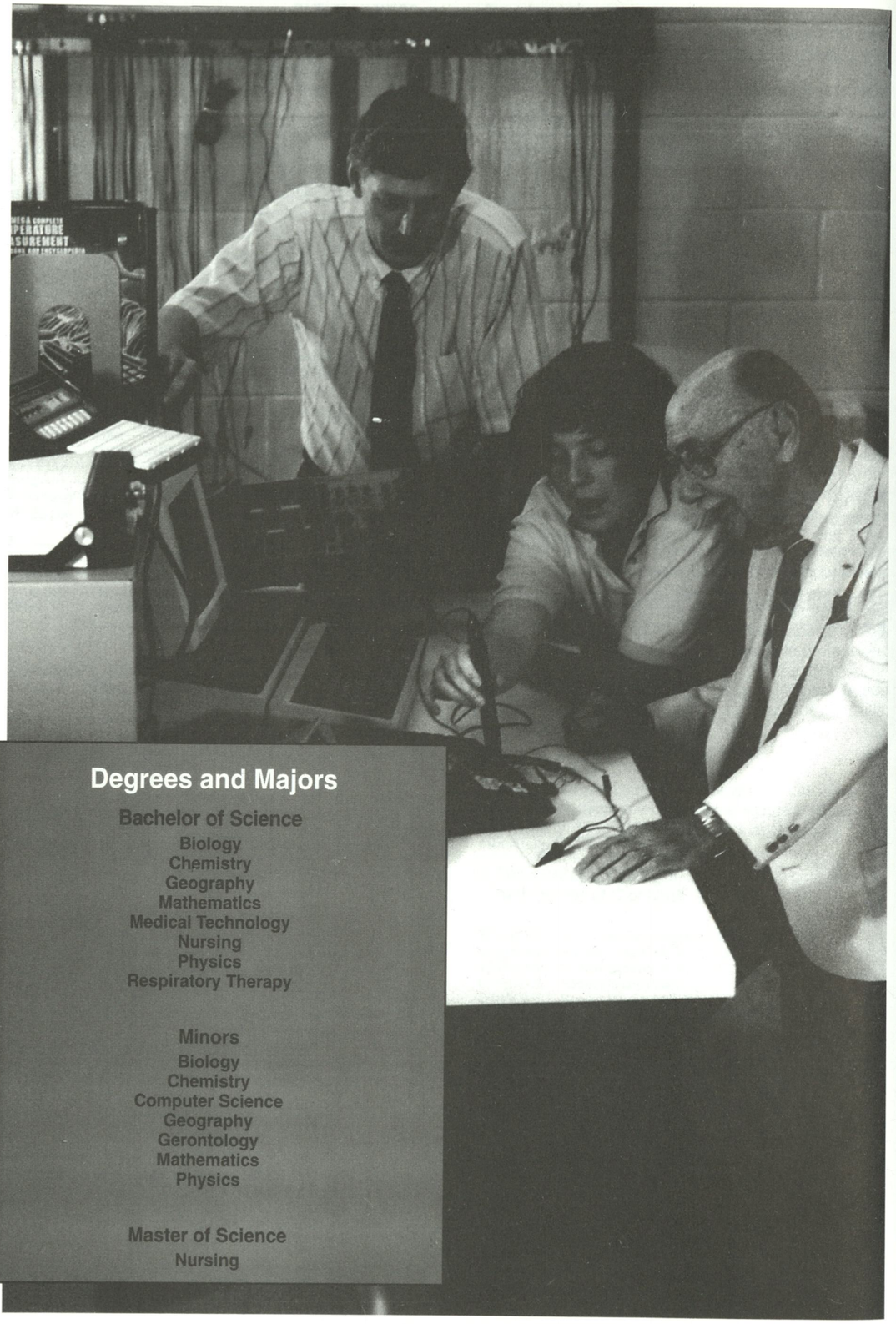
General Information

Students must apply for admission to the social work program during their junior year. Specific information regarding requirements for the program may be obtained from the Social Work Department.

Curriculum Guide: Bachelor of Science In Social Work

The following is a sample sequence of courses taken by students majoring in social work, which requires 120 credit hours for graduation. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World civilizations	3
BIOL 101	Fundamentals of Biology	4
PHEC 106	Personalized Health/Fitness	3
	Group IB Elective	3
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
SOWK 200	Introduction to Social Work and Social Welfare	3
PSYC 101	General Psychology	3
SOCI 101	Principles of Sociology	3
		15
SOPHOMORE YEAR		
SOWK 300	Human Behavior in the Social Environment	3
	Group IA Literature	3
	Group IIIA Elective	4
	Group IIIB Elective	3
	General Elective	3
		16
SOWK 302	Human Behavior in the Social Environment II	3
	Group IB Elective	3
	Group IIB Elective	3
	Group IIIC Statistics	3
	General Elective	3
		15
JUNIOR YEAR		
SOWK 305	Social Welfare Policy	3
SOWK XXX	Elective	3
	General Electives	9
		15
SOWK 315	Social Work Research	3
SOWK 320	Social Work Practice I	3
	General Electives	9
		15
SENIOR YEAR		
SOWK 400	Social Work Practice II	3
SOWK 405	Field Instruction I	5
SOWK 406	Field Instruction Seminar I	1
SOWK XXX	Elective	3
	General Elective	3
		15
SOWK 407	Field Instruction II	5
SOWK 408	Field Instruction Seminar II	1
SOWK 410	Social Work Practice III	3
	General Electives	6
		15



Degrees and Majors

Bachelor of Science

Biology
Chemistry
Geography
Mathematics
Medical Technology
Nursing
Physics
Respiratory Therapy

Minors

Biology
Chemistry
Computer Science
Geography
Gerontology
Mathematics
Physics

Master of Science

Nursing

Richard A. Henson School of Science and Technology

Dr. Donald Cathcart, Interim Dean

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Biological Sciences
Potomac Hall 133, (410) 543-6490

Chemistry
Devilbiss Hall 302, (410) 543-6480

Geography and Regional Planning
Devilbiss Hall 235, (410) 543-6460

Mathematical and Computer Sciences
Power Professional Building 101, (410) 543-6471

Medical Technology
Power Professional Building 253, (410) 543-6365

Nursing
Power Professional Building 201, (410) 543-6401

Physics
Devilbiss Hall 237, (410) 543-6480

Respiratory Therapy
Power Professional Building 354, (410) 543-6365

School Information

The Richard A. Henson School of Science and Technology, endowed in 1988, originally included the departments of Biological Sciences, Chemistry and Physics, Computer Sciences, Geography and Regional Planning, and Mathematics. The Department of Physics was separated from Chemistry in 1990 and the departments of Computer Science and Mathematics were combined in 1991. A dual-degree program in environmental science/biology was added in 1990, and a major in environmental health approved in 1991. In 1993, the former School of Nursing and Health Sciences was combined with the School of Science, creating the departments of Health Sciences and Nursing.

The school's mission is to provide students with the knowledge and skills they need to function as professionals within their disciplines and as informed citizens on issues of science and technology. This knowledge and skill can serve students in recognizing, evaluating and making decisions about scientific concerns.

The curricula provide sound foundations for health science, nursing, science and mathematics majors and include courses supporting the University's General Education mission. In addition to its integral role in liberal arts education, the school provides core courses in science for several programs in other schools at the University.

Students in the Henson School of Science and Technology work closely with their advisors on curriculum, program planning and career development. Besides traditional majors in the sciences, students can select from a variety of interdisciplinary, dual-degree and pre-professional programs. Students are encouraged to engage in undergraduate research projects, internships and cooperative learning experiences. Faculty coordinators are available in each department to assist students in arranging internships and coop experiences. Graduates from the school typically begin careers in science, technology and public education or continue their education in graduate or professional schools.

There are several scholarships relating directly to the School of Science and Technology. The endowment of the school established the Richard A. Henson Scholars Program. These scholarships are available to high-ability students majoring in any department within the school, and can be renewed annually. To encourage interest and scholarship within the field, the Tidewater Environmental Health Association established a scholarship program for students majoring in environmental health. A unique scholarship program developed by K&L Microwave is available for students majoring in one of the sciences and minoring in one of the fields available in the Perdue School of Business. Finally, there are a number of scholarships available for students majoring in nursing and health sciences. More information is available in the "Financial Aid" section of this catalogue, and inquiries should be directed to the dean.

Specific programs within the Henson School of Science and Technology are accredited by the following professional organizations:

American Chemical Society
American Medical Association Committee on Allied Health Education and Accreditation
National Accrediting Agency for Clinical Laboratory Sciences
National League for Nursing

Biological Sciences

Chair
Professor Thomas W. Jones, Ph.D.; *plant physiology, estuarine ecology*
Professors
Augustine G. DiGiovanna, Ph.D.; *biology of humans, aging*
William L. Grogan, Ph.D.; entomology, evolutionary biology
John R. Molenda, Ph.D.; *microbiology, environmental health*
Harry E. Womack, Ph.D.; *ecology, parasitology*
Associate Professors
Mark F. Frana, Ph.D.; *microbiology, molecular/cell biology*
Stephen C. Gehnrich, Ph.D.; *physiology*
Ellen M. Lawler, Ph.D.; *biology, avian physiology/behavior*
Assistant Professors
Ann M. Barse, Ph.D. (visiting); *fish and parasite ecology*
Christopher H. Briand, Ph.D.; *plant morphology/anatomy*
Herbert G. Chew Jr., Ph.D. (visiting); *nervous system control of cardiac functions*
Paul A. Grecay, Ph.D.; *marine ecology, ichthyology*
Mark A. Holland, Ph.D.; *plant/molecular biology, genetics*
Judith M. Stribling, Ph.D.; *wetland biogeochemistry, plant ecology*
Elichia A. Venso, Ph.D.; *general environmental health*
J. Evan Ward, Ph.D.; *marine physiological ecology, invertebrate biology*
Edwin M. Wong, Ph.D. (visiting); *molecular biology*
Lecturers
Jennifer S. Kiefer, Ph.D.; *pharmacology, toxicology*
Joan E. Maloof, M.S.; *botany, environmental studies, ecology*
Charles H. Neal Jr., B.S.; *human anatomy, physiology*
Barbara J. Pollock, Ph.D.; *genetics, cell biology*
Betty Lou Smith, M.Ed.; *biology, microbiology*
Louise S. Wootton, Ph.D.; *estuarine ecology, biogeochemistry, energetics of detrital materials in aquatic systems*

The Department of Biological Sciences offers programs leading to Bachelor of Science degrees in biology and environmental health and, through cooperation with the University of Maryland Eastern Shore, a program leading to dual degrees in biology and environmental/marine science. The department's mission is threefold:

1. Help students majoring in biology and associated health disciplines, environmental health and environmental/marine science prepare for advanced degree work or post-graduate employment.
2. Help students not majoring in science develop appreciation and fundamental knowledge of the principles governing life.
3. Nourish in all students the ability to apply the scientific process and to think critically about contemporary problems in the biological sciences.

The department shares the University's commitment to developing in students the fundamental communication skills that characterize educated persons and the technical knowledge and skills which will allow them to become outstanding professional biologists.

The biology program consists primarily of a traditional science curriculum, educating students to work as professional biologists in manyprominent sub-disciplines. The environmental health and the environmental/marine science dual degree programs are applied programs leading to graduate school or employment in these areas.

Major in Biology

Students majoring in biology must complete a minimum of 40 credit hours in biology with a 2.0, including the following:

1. Complete the following biology core:

		Credits
BIOL 121	Biological Principles and Processes	4
BIOL 122	Biological Principles and Processes	4
BIOL 225	Ecology	4
BIOL 350	Cell Biology	4
BIOL 370	Molecular Genetics	3
BIOL 418	Biology Seminar	1
BIOL 422 or	Vertebrate Physiology	4
BIOL 430 or	Plant Physiology	4
BIOL 215 and	Human Anatomy and Physiology	4
BIOL 216	Human Anatomy and Physiology	4

Biology majors are required to achieve a grade of "C" or better in BIOL 121 and 122 before enrolling in any biology courses for which they are a prerequisite. Grades of "C" or better in these two courses are also required by the department for students graduating as majors. This requirement can be met by "C" or better performance in an examination approved by the department.

2. Complete an additional 16 hours of approved biology, 12 hours of which must be at the 300/400 level.
3. Complete a course in geology, physics (excluding PHYS 100 and 106), statistics or computer science (excluding COSC 110).
4. Satisfy the following chemistry credits:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 221	Organic Chemistry I	4

The following courses are highly recommended for all biology majors as are a year of physics and a semester of calculus since they are usually required for graduate study in the discipline:

		Credits
CHEM 222	Organic Chemistry II	4
CHEM 407	Biochemistry	4

The following courses may be taken as general electives, but are not acceptable for credit toward a major in biology:

		Credits
BIOL 101	Fundamentals of Biology	4
BIOL 105	Biology and Society	3
BIOL 110	Human Biology	4
BIOL 217	Nutrition	3
BIOL 219	Biology of Human Aging	3
BIOL 220	Humans and the Environment	4
BIOL 416	Research in Biology	3
BIOL 419	Biology Seminar	1
BIOL 450	Internship	1-6

In addition to satisfying departmental requirements, students majoring in biology are encouraged to enrich their educational experience by completing a track of study related to their interests and needs:

Botany Track

		Credits
BIOL 312	Plant Taxonomy	3
BIOL 324	Plant Morphology	3
BIOL 325	Plant Anatomy	4
BIOL 412	Algae and Fungi	4
BIOL 430	Plant Physiology	4

Microbiology Track

		Credits
BIOL 211	Microbiology	4
BIOL 322	Parasitology	3
BIOL 323	Medical Microbiology	4
BIOL 333	Immunology	4
BIOL 445	Virology	3

Zoology Track

		Credits
BIOL 313	Comparative Anatomy	4
BIOL 316	General Entomology	3
BIOL 320	Biology of the Vertebrates	3
BIOL 321	Invertebrate Zoology	3
BIOL 411	Vertebrate Embryology	4
BIOL 422	Vertebrate Physiology	4

Pre-professional Track

Pre-professional students select their courses according to the admission demands of the professional schools in their areas of interest with the advice of the health professions advisors of the Henson School of Science and Technology Health Programs Committee. These advisors can assist students in developing pre-professional tracks for medicine, dentistry, veterinary medicine, optometry and podiatric medicine. See the "Pre-professional Programs" section of this catalogue for more information (page 63).

Accelerated Professional Programs

The Department of Biological Sciences and the University of Maryland at Baltimore (UMAB) Dental Hygiene Department offer a program that qualifies students to apply for entrance to UMAB's dental hygiene program. Students at SSU are guided in career and course election and in completing practical experience in dental hygiene. UMAB dental-hygiene faculty visit the SSU campus to meet with students. Qualified students enter UMAB in their junior year and graduate with University of Maryland bachelor's degrees.

SSU also has seven-year programs with the Pennsylvania College of Optometry, the Pennsylvania College of Podiatric Medicine and the University of Maryland Dental School that lead to the Bachelor of Science and Doctor of Optometry, Podiatric Medicine or Dental Surgery. Normally students take eight years to earn these two degrees when schools are not affiliated.

Teacher Certification

Students seeking certification to teach biology in secondary schools must meet all major requirements and take the following courses:

		Credits
EDUC 300	Development and Learning	3
EDUC 305	The School in Society	3
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 336	Science Teaching in the Secondary School	3
EDUC 426	Directed Teaching in the Secondary School	6
EDUC 428	Directed Teaching in the Secondary School	6
EDUC 433	Student Teaching Seminar-Secondary Education	2
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3
CMAT 250	Instructional Communication	3

Students completing the biology major and teacher certification program should obtain the program checksheet/curriculum guide and seek advisement from the biological science education specialist in the Department of Biological Sciences.

Major in Environmental Health

The four-year environmental health program prepares individuals for professional opportunities in the field of environmental health. In addition to General Education requirements, students must complete the following requirements:

1. 24 credit hours of environmental health courses
2. 8 credit hours of environmental science courses (UMES)
3. 23 credit hours of biology courses
4. 26 credit hours of associated science courses

This curriculum provides students with a foundation in the sciences including biology, chemistry, physics and mathematics. SSU and UMES cooperatively offer the program's environmental health courses: environmental epidemiology, milk and food sanitation, water and air pollution, shelter and institutional environments, public health administration and field studies.

Completing the curriculum are courses in the humanities which broaden students' understanding of society and the world as developed and affected by human actions.

Graduates of the program receive a Bachelor of Science in environmental health from SSU and may find employment opportunities in federal, state and local public health and environmental agencies as well as in the private sector.

Dual Degree Program in Biology And Environmental/Marine Science

SSU and UMES offer a dual-degree program in biology and environmental/marine science. Students from SSU who complete the program receive a Bachelor of Science in biology from SSU and a Bachelor of

Science in environmental science with the marine ecology option from UMES.

Students wishing to enroll in this program are initially registered as pre-dual degree majors (pre-ENVS) and enter the dual degree program once they have completed BIOL 121, BIOL 122, CHEM 121 and CHEM 122 with a combined GPA of 2.5 or higher.

Once accepted in the program, students pursue their biology major at SSU, completing all required courses with the following modifications:

1. SSU students take a minimum of 23 semester credit hours on the UMES campus. As part of the 16 hours of biology electives (see BIOL major checklist), SSU students must take the following courses:

		Credits
BIOL 201	**Marine Zoology	4
BIOL 202	**Marine Botany	4
BIOL 401	*Wetlands Ecology	4
BIOL 410	*Estuarine Biology	3

* offered at SSU
** offered at UMES

2. In addition to completing requirements for the major in biology, SSU students are required to complete the following courses:

		Credits
PHYS 121	***General Physics	4
PHYS 123	***General Physics II	4
MATH 155	*Modern Statistics with Computer Analysis	3
MATH 201	***Calculus I	4
MATH 202	***Calculus II	4
GEOG 105	*Introduction to Physical Geography	4
ENVS 202	**Oceanography	4
ENVS 221	**Principals of Environmental Science	4
ENVS 411	**Water Pollution	4
or		
ENVS 434	**Air Pollution	4
ENVS 460	**Earth Science	3

* offered at SSU
** offered at UMES
*** offered at SSU and UMES

NOTE: Because course numbers may not be the same at both institutions it is important that students check their program plans carefully with their advisors.

The checksheet/curriculum guide for the program is available from the departments of Biological Sciences at both Salisbury State University and the University of Maryland Eastern Shore.

Minor in Biology

The minor in biology consists of a minimum of 18 credit hours. Required courses include BIOL 121 and 122. At least three of the 18 hours in the minor must be at the 300/400 level. Students must earn minimum grades of C in all courses they use for the minor. Biology majors are ineligible to earn a biology minor.

Transfer Students

Transfer students seeking the degree in biology or environmental science must complete a minimum of 15 credit hours of courses in the program at Salisbury State University. Students in the University's developmental studies program who wish to major in biology should seek counseling from a developmental studies advisor.

Curriculum Guide: Bachelor of Science In Biology

The following is a sample sequence of courses for students majoring in biology. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
BIOL 121	Biological Principles and Processes	4
CHEM 121	General Chemistry I	4
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
		14
BIOL 122	Biological Principles and Processes	4
CHEM 122	General Chemistry II	4
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
		17
SOPHOMORE YEAR		
BIOL 225	Ecology	4
CHEM 221	Organic Chemistry I	4
	General Education Electives	6
		14
BIOL 350	Cell Biology	4
CHEM 222	Organic Chemistry II	4
BIOL XXX	Biology Elective	4
	General Education Elective	3
		15
JUNIOR YEAR		
BIOL 370	Molecular Genetics	3
BIOL XXX	Biology Elective	4
	General Education Elective	3
	*Additional Science Elective	3-4
		13-14
BIOL XXX	Biology Elective	4
	Group IIIB Elective	3
	General Education Elective	3
	Electives	4
		14
SENIOR YEAR		
BIOL 418	Biology Seminar	1
	Physiology	4
	General Education Elective	3
	Electives	8
		16
CHEM 407	Biochemistry	4
BIOL XXX	Biology Electives	5
	Electives	8
		17

* a course in geology, physics (excluding PHYS 100 and 106), statistics or computer science (excluding COSC 110)

Chemistry

Chair
Associate Professor David F. Rieck, Ph.D.; *inorganic chemistry*
Professors
Frederick A. Kundell, Ph.D.; *physical chemistry*
Edward G. Senkbeil, Ph.D.; *biochemistry*
Edward T. Shaffer, Ph.D.; *organic chemistry*
Associate Professor
John L. Tyvoll, Ph.D.; *analytical chemistry*
Assistant Professors
Maureen F. Burkart, Ph.D. (visiting); *inorganic chemistry*
Linda C. Bush, Ph.D.; *organic chemistry*
J. David Jenkins, Ph.D. (visiting); *analytical chemistry*
Anthony J. Kiessling, Ph.D. (visiting); *organic chemistry*
Joseph J. Mullins, M.S. (visiting); *organic chemistry*
Lecturers
Mary Antlfinger-Norton, B.S.; *chemistry education*
Wayne L. Shelton, M.Ed.; *environmental chemistry*

The Chemistry Department offers programs leading to the Bachelor of Science in chemistry, including an American Chemical Society (ACS)-certified program.

The department's curricula foster the development and verbal and written expression of rational thought.

The faculty attempt to impart an understanding and appreciation of chemistry along with the knowledge, safe laboratory skills and personal integrity necessary for students to be productive members of the larger community of professional chemists. Because chemistry is an experimental discipline, the laboratory experience fosters a sense of self-confidence and independence, as well as an appreciation for the importance of original investigation. Since the study of chemistry is discovery-based, the department is committed to providing meaningful and interesting research experiences in well-equipped laboratories.

Professional chemists work in such diverse fields as medicine, space and marine science, molecular engineering, food preparation and processing, and the synthesis of material from lipstick to high strength composites. As frontiers in the natural sciences approach molecular dimensions, chemistry is truly becoming the fundamental science.

The faculty in the department strive to promote a feeling of "belonging" among majors. Student/faculty picnics and softball/volleyball games, student participation in national and regional professional meetings, student employment in the department, and activities of the SSU Student Chemical Society all contribute to the informal, yet professional, atmosphere of the department.

Major in Chemistry

The Chemistry Department offers a broad selection of programs for students seeking careers in chemistry and the physical sciences. The Bachelor of Science in chemistry requires a minimum of 128 credits for graduation. Chemistry majors must have at least a C average in their major courses for graduation. Transfer students majoring in chemistry are required to complete at least 15 hours in chemistry at Salisbury State University. Students may select from the following programs:

American Chemical Society-Certified Degree

The ACS degree is widely recognized in the chemistry profession as a standard of excellence. This program is designed for motivated students with good scholastic records who intend to enter graduate programs in chemistry or closely related fields.

The requirements for the ACS-certified degree are as follows:

1. Complete the following core:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 207	Laboratory Safety	1
CHEM 212	Chemistry of the Elements	2
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 321	Analytical Chemistry	4
CHEM 331	Instrumental Analysis	4
CHEM 341	Physical Chemistry I	3
CHEM 342	Physical Chemistry II	3
CHEM 406	Inorganic Chemistry	3
CHEM 410	Chemical Research (2 semesters)	6
CHEM 414	Seminar I	1
CHEM 415	Seminar II	1
CHEM 423	Experimental Physical Chemistry I	2
CHEM 424	Experimental Physical Chemistry II	2

2. Satisfy two 400-level chemistry electives, plus the following courses:

MATH 201	Calculus I	4
MATH 202	Calculus II	4
BIOL 121	Biological Principles and Processes	4
or		
BIOL 122	Biological Principles and Processes	4
PHYS 221	Physics I	5
PHYS 223	Physics II	5
PHYS 309	Mathematical Physics	3

Chemistry

The department also offers a baccalaureate program designed for direct entry into the chemistry profession. With the proper selection of electives, a chemistry major can be used for entry into the professional programs of dentistry, medicine, veterinary medicine, pharmacy or patent law (see Pre-professional Programs). The requirements for the chemistry major are as follows:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 207	Laboratory Safety	1
CHEM 212	Chemistry of the Elements	2
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 321	Analytical Chemistry	4
CHEM 331	Instrumental Analysis	4
CHEM 341	Physical Chemistry I	3
CHEM 342	Physical Chemistry II	3
CHEM 406	Inorganic Chemistry	3
CHEM 413	Internship/Co-Op in Chemistry	3
or		
CHEM 410	Chemical Research (2 semesters)	6
CHEM 414	Seminar I	1
CHEM 415	Seminar II	1
CHEM 423	Experimental Physical Chemistry I	2
CHEM 424	Experimental Physical Chemistry II	2
MATH 201	Calculus I	4
MATH 202	Calculus II	4
BIOL 121	Biological Principles and Processes	4
or		
BIOL 122	Biological Principles and Processes	4
PHYS 221	Physics I	5
PHYS 223	Physics II	5
PHYS 309	Mathematical Physics	3

Biochemistry Track

This baccalaureate program is designed for students interested in developing a more theoretical biochemistry background and engaging in more advanced biochemistry laboratory experiences than in the traditional chemistry program. This track provides a diversified background for post-graduate health-related programs. The requirements are as follows:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 207	Laboratory Safety	1
CHEM 212	Chemistry of the Elements	2
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 311	Survey of P. Chemistry	3
CHEM 321	Analytical Chemistry	4
CHEM 331	Instrumental Analysis	4
CHEM 406	Inorganic Chemistry	3
CHEM 413	Internship	3
or		
CHEM 410	Research	3
CHEM 414	Seminar I	1
CHEM 415	Seminar II	1
CHEM 417	Biochemistry I	4
CHEM 418	Biochemistry II	3
CHEM 419	Biochemical Methods	3
CHEM 423	Experimental Chemistry I	2
MATH 201	Differential Calculus	4
MATH 202	Integral Calculus	4
PHYS 221	Physics I	5
PHYS 223	Physics II	5
BIOL 121	Biological Principles and Processes	4
BIOL 122	Biological Principles and Processes	4
BIOL 350	*Cell Biology	4

or		
BIOL 370	*Molecular Genetics	3
BIOL XXX	*Upper-level Elective	3-4

* minimum of seven credits in upper-level biology courses including one course with lab

Pre-engineering

This is a 3-2 dual-degree program in cooperation with the University of Maryland and Widener University (see Dual-Degree Engineering Program). The pre-engineering requirements are as follows:

1. Complete the following core:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 321	Analytical Chemistry	4
CHEM 341	Physical Chemistry I	3
CHEM 342	Physical Chemistry II	3
MATH 201	Calculus I	4
MATH 202	Calculus II	4
MATH 310	Calculus III	4
MATH 311	Differential Equations	4
COSC 120	Computer Programming	4
PHYS 221	Physics I	5
PHYS 223	Physics II	5
PHYS 313	Intro to Modern Physics	3
ECON 211	Micro-Economic Principles	3
or		
ECON 212	Macro-Economic Principles	3
ENGR 110	Statics	3
ENGR 221	Dynamics	3

2. Satisfy 30 semester hours in science or engineering courses at the receiving institution.

Students must complete all SSU General Education and other graduation requirements prior to attending the engineering program.

Teacher Certification

This MSDE-approved teacher education program certifies students to teach chemistry in the secondary schools. The requirements are as follows:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 207	Laboratory Safety	1
CHEM 212	Chemistry of the Elements	2
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4
CHEM 321	Analytical Chemistry	4
CHEM 341	Physical Chemistry I	3
CHEM 342	Physical Chemistry II	3
MATH 201	Calculus I	4
MATH 202	Calculus II	4
BIOL 101	Fundamentals of Biology	4
PHYS 221	Physics I	5
PHYS 223	Physics II	5
PHYS 309	Mathematics Physics	3
EDUC 300	Development and Learning	3
EDUC 305	The School and Society	3
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 336	Science Teaching in the Secondary School	3
EDUC 426	Directed Teaching in the Secondary School	6
EDUC 428	Directed Teaching in the Secondary School	6
EDUC 433	Student Teaching Seminar: Secondary School	3
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3
CMAT 250	Instructional Communication	3

Minor in Chemistry

A chemistry minor is available for students in other majors seeking official recognition for courses taken in chemistry. Specific requirements for the minor are as follows:

1. Complete the following core:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 221	Organic Chemistry I	4
CHEM 222	Organic Chemistry II	4

2. Choose at least three credit hours from the following:

		Credits
CHEM 321	Analytical Chemistry	4
CHEM 341	Physical Chemistry I	3
CHEM 342	Physical Chemistry II	3
CHEM 406	Inorganic Chemistry	3
CHEM 408	Polymer Chemistry	3
CHEM 412	Organic Chemistry III	3
CHEM 417	Biochemistry I	4
CHEM 423	Experimental Chemistry I	2
CHEM 424	Experimental Chemistry II	2
CHEM 499	Special Topics in Chemistry	3

Curriculum Guide: Bachelor of Science In Chemistry

The following is a sample sequence of courses for students pursuing the ACS-certified degree in chemistry. Checklists for each of the chemistry major options are available in the Chemistry Department. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMEN YEAR		Credits
CHEM 121	General Chemistry I	4
ENGL 101	Principles of Composition	3
HIST 101	World Civilization	3
MATH 201	Calculus I	4
PHEC 106	Personalized Health Fitness	3
		17
CHEM 122	General Chemistry II	4
ENGL 101	Principles of Literature	3
HIST 101	World Civilization	3
MATH 202	Calculus II	4
	Group IB Elective	3
		17
SOPHOMORE YEAR		
CHEM 221	Organic Chemistry I	4
PHYS 221	Physics I	5
ENGL XXX	Literature Elective	3
	Group IIB Elective	3
		15
CHEM 207	Laboratory Safety	1
CHEM 212	Chemistry of the Elements	2
CHEM 222	Organic Chemistry II	4
PHYS 223	Physics II	5
BIOL 121	Biological Principles and Processes	4
or		
BIOL 122	Biological Principles and Processes	4
		16
JUNIOR YEAR		
CHEM 321	Analytical Chemistry	4
CHEM 341	Physical Chemistry I	3
PHYS 309	Mathematical Physics	3
	Group IB Elective	3
	Group II Elective	3
		16
CHEM 331	Instrumental Analysis	4
CHEM 342	Physical Chemistry II	3
CHEM XXX	Chemistry Electives	3-4
	Group IIB Elective	3
	Elective	3
		16-17

SENIOR YEAR		
CHEM 406	Inorganic Chemistry	3
CHEM 410	Chemical Research	3
CHEM 414	Seminar I	1
CHEM 423	Experimental Chemistry I	2
	Electives	6
		15
CHEM 410	Chemical Research	3
CHEM 415	Seminar II	1
CHEM 424	Experimental Chemistry II	2
CHEM XXX	Chemistry Elective	3-4
	Electives	7
		16-17

Geography and Regional Planning

Chair
Associate Professor Calvin R. Thomas, Ph.D.; *resource management, rural land use, U.S. and Canada*
Professors
J. Chapman McGrew Jr., Ph.D.; *spatial analysis, environmental planning*
Robert A. Rosing, Ph.D.; *economic, regional planning*
Associate Professors
Eugene D. Farace, M.A.; *physical geology, geomorphology, Europe, GIS*
Michael E. Folkoff, Ph.D.; *soils, hydrology, cartography*
Brent Skeeter, Ph.D.; *climatology, meteorology*
Assistant Professor
Xingzhi Mara Chen, Ph.D.; *GIS, remote sensing, environmental geology*

The Department of Geography offers a program leading to a Bachelor of Science in geography, a discipline which examines the spatial patterns and interactions of natural, cultural and socioeconomic phenomena on the earth's surface. Geography embraces aspects of both the physical and the social sciences. This integrative, spatial perspective finds concrete expression in land use management—regional/urban planning and development.

Major in Geography

Bachelor of Science requirements for a geography major include the following:

1. Complete the following core courses:

		Credits
GEOG 201	Physical Geography/Weather and Climate	4
GEOG 203	Economic Geography	3
GEOG 204	Spatial Analysis	4
GEOG 205	Cartography	4
GEOG 300	Research and Writing	3
GEOG 301	World Regions	3
GEOL 103	Introduction to Physical Geology	3

2. Satisfy 15 semester hours of electives in geography, at least 12 semester hours of which must be at the 300/400 level.
3. Complete at least three semester hours in statistics:

		Credits
MATH 155	Modern Statistics with Computer Analysis	3

All courses applied to the major must be completed with grades of C or better. The Department of Geography and Regional Planning recommends that the four lower-division courses be completed prior to GEOG 300 and all other upper-division courses. Except for Geography 204 and 300, the core courses may be taken in any order and a student may register for more than one in a given semester. GEOG 300: Research and Writing is specifically designed as a preparation for upper-division work and should be taken before, or concurrent with, upper-division courses.

Transfer students must complete a minimum of 15 semester hours with grades of C or better in geography at Salisbury State University, at least 12 semester hours of which must be at the 300/400 level. Geography majors seeking certification for teaching in either the elementary or secondary school must meet additional requirements in education. Students pursuing either of these alternatives should contact the Education Department for advisement early in their program.

While geography majors must satisfy departmental requirements, they are encouraged to develop a program suitable to their individual needs. The department has four designated options: mapping sciences and computer applications, environmental planning and resource management, earth and atmospheric sciences, and individualized. Each is designed to provide flexible, yet directed preparation toward specific employment opportunities as well as appropriate background for related graduate work. Students seeking guidance about the options, graduate study or career programs should see a departmental advisor.

Minor in Geography

The department offers a minor in geography which allows students in other fields to complement their major area of specialization with a variety of related geography course selections. Students interested in the minor should contact the Geography and Regional Planning Department for advice.

The minor in geography requires at least 18 hours of geography, with 15 hours beyond the courses used to satisfy General Education requirements. All minor courses must be completed with grades of C or better. The minor must include one course from each of the following groups:

		Credits
I		
GEOG 201	Physical Geography/Weather and Climate	4
GEOL 103	Introduction to Physical Geology	3
II		
GEOG 202	Cultural Geography	3
GEOG 203	Economic Geography	3

Students must also complete one 300-level regional course and one 400-level geography course.

Curriculum Guide: Bachelor of Science In Geography

The following is a sample sequence of courses for students majoring in geography. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
GEOG XXX	*Geography Core Requirement	3-4
PHEC 106	Personalized Health/Fitness	3
	Group IIIA Elective	3-4
		15-17
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
GEOG XXX	*Geography Core Requirement	3-4
	+Group IB Elective	3
	Group IIB Elective	3
		15-16
SOPHOMORE YEAR		
MATH 155	Modern Statistics with Computer Analysis	3
	Literature Elective	3
	*Geography Core Requirement	3-4

	Group IIIA Elective	3-4
	Group IIB Elective	3
		15-17
GEOG 204	Spatial Analysis	4
GEOG XXX	*Geography Core Requirement	3-4
COSC 110	Introduction to Computer Systems	3
and		
COSC 112	Microcomputer Use	1
or		
COSC 120	Computer Programming	4
	Group IB Elective	3
		14-15

JUNIOR YEAR

GEOG 300	Research and Writing	3
GEOG XXX	*Geography Core Requirement	3-4
	General Elective	9
		15-16
MATH 313	++Elementary Survey Sampling	3
GEOG XXX	Upper-Level Geography Electives	9
	General Elective	3
		15

SENIOR YEAR

GEOG XXX	Upper-Level Geography Electives	6
	General Electives	9
		15
GEOG XXX	Upper-Level Geography Electives	9
	General Electives	6
		15

* select from GEOL 103 or GEOG 201, 203 or 205 and 301 (may be taken in any order)
+ CMAT 100: Fundamentals of Speech recommended
++ recommended but not required for all geography majors

Health Sciences

The Department of Health Sciences consists of programs in medical technology and respiratory therapy. Each provides coursework in the basic sciences, General Education and specialized areas which prepare graduates for national certification in their fields of study. Health sciences students must have an aptitude for science and a good working knowledge of chemistry, biology, physiology and microbiology.

During the first two years of each program, students take prerequisite and General Education courses. The last two years comprise the professional core, offering courses in the major with student laboratories accompanied by rotations through clinical facilities. The courses prepare students to practice in laboratory science or respiratory care under the guidance and supervision of professionals during internships in "real world" environments.

Medical Technology

Chair
Assistant Professor Johanna W. Laird, M.S.; *immunohematology, clinical chemistry*
Assistant Professors
Cynthia C. Cowall, M.Ed.; *hematology, clinical microbiology*
Diane Davis Hayes, M.Ed. (clinical coordinator); *clinical chemistry, immunology*
Clinical Professor
Steven Moore, M.D. (medical director); *pathology*

The Department of Health Sciences offers a program leading to the Bachelor of Science in medical technology, which has traditionally been known as the branch of medicine dealing with the performance of laboratory analyses used in the diagnosis, prognosis and treatment of disease, as well as the maintenance of health. This definition is rapidly undergoing expansion due to the diverse employment opportunities available to medical technology graduates.

The American Society of Clinical Laboratory Science labels graduates "clinical laboratory scientists," since they are prepared for employment or further education in a broad spectrum of areas related to laboratory analysis. Graduates seek careers in clinical settings (hospitals or private laboratories performing tests related to disease conditions in humans and animals), industry (marketing, pharmaceutical, biomedical technology, occupational health, research and development, and quality assurance), research science, health care administration (infection control, health promotion, laboratory consultation) or public health (epidemiology, crime laboratory science, Peace Corps). Many graduates continue education in medicine, dentistry, health law or other graduate programs.

SSU's medical technology program provides courses in the basic sciences of chemistry and biology, General Education and specialized areas such as microbiology, immunology, clinical chemistry, hematology, immunohematology and management. The diverse courses are coupled with opportunities to practice these studies in actual clinical laboratories. It is highly recommended that students wishing to pursue the degree seek academic advisement early.

The Bachelor of Science program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Medical technology graduates are eligible to take certification examinations offered by various national organizations such as the American Society of Clinical Pathologists (ASCP) and the National Certification Agency for Medical Laboratory Personnel (NCAMLP).

Major in Medical Technology

The program consists of a basic two-year curriculum of General Education experience and support courses in the biological and physical sciences (lower-division core) followed by two years of professional instruction and training (upper-division core). A total of 126 credit hours is required for graduation with 51 credits required within the major in medical technology.

Satisfactory completion of prerequisite coursework is required for the student to advance in the program. Senior students are required to satisfactorily pass a comprehensive examination before completing the program. All program courses must be completed with grades of C or better. Selected biological and physical science courses include the following:

		Credits
BIOL 101	*Fundamentals of Biology	4
and		
MDTC 201	*Medical Physiology	4
or		
BIOL 215	Human Anatomy and Physiology	4
and		
BIOL 216	Human Anatomy and Physiology	4
or		
BIOL 121	Biological Principles and Processes	4
and		
BIOL 122	Biological Principles and Processes	4
BIOL 211	Microbiology	4
BIOL 323	Medical Microbiology	4
BIOL 333	Immunology	4
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
CHEM 221	Organic Chemistry I	4
CHEM 321	Analytical Chemistry	4

* or approved substitution

Substitution or waiver of these requirements may only be made with the permission of the department chair and the dean.

General Information

Advanced standing will be granted to those individuals who meet acceptable criteria of the University. Applicants who hold certification as medical laboratory technicians may be offered advanced status. Methods include CLEP, transfer of academic credit from accredited institutions and credit for prior work experience.

In their junior and senior years, students must register for and satisfactorily complete three semesters of didactic study, a senior winter term of clinical rotation and a semester of full-time clinical experience at approved clinical affiliates of the program to include Peninsula Regional Medical Center, Memorial Hospital at Easton, Shore Health Laboratories and Nanticoke Memorial Hospital. Students are responsible for registration fees for fall and spring semesters and winter term, and for registration fees, housing, meals and transportation during the winter term and clinical experience semester. In addition, it is each student's responsibility to have all appropriate vaccinations including the hepatitis B vaccine and a physical examination performed by a personal physician during the senior year prior to clinical rotations.

Placement and progression in medical technology courses are determined by program policies. For detailed policies, consult the program handbook, available in the office of the chair.

Major requirements completed seven years prior to admission must be updated in a manner acceptable to NAACLS. Evaluations will be performed on an individual basis.

Admission to Professional Core

Students may declare a major in medical technology at any time prior to the junior year.

Admission to the upper-division (professional) component of the program during the spring of the sophomore year, is based on satisfactory completion of (or a plan to complete) the lower-division core as well as on professional and technical aptitude for the field. Space in the upper division is limited each year; therefore, students should seek admission early. Admission is not guaranteed, even with satisfactory completion of the lower division. To receive a copy of the admission requirements please contact the Medical Technology Office at (410) 543-6365.

Other Science Majors

Students from other science majors such as biology or chemistry are encouraged to seek permission to take medical technology courses for elective credit if they have an interest in clinical laboratory medicine. Specialized categorical certification offered by ASCP can be earned by taking specified medical technology courses in one content area, such as clinical microbiology.

Curriculum Guide: Bachelor of Science In Medical Technology

Students should complete the first two years of coursework as outlined in the curriculum guide prior to beginning the junior year. CHEM 321: Analytical Chemistry, BIOL 323: Medical Microbiology and BIOL 333: Immunology should be taken in the junior year along with medical technology courses and are not admission requirements.

The following curriculum plan is subject to revision to reflect current trends and accreditation requirements in medical technology. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		**Credits**
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
CHEM 121	General Chemistry	4
MDTC 101	Lab Safety	1
	Group IIB Elective	3
		14
ENGL 102	Principles of Literature	3
BIOL 101	*Fundamentals of Biology	4
CHEM 122	General Chemistry	4
MATH 110	**Finite Math or Approved Math	3
HIST 102	World Civilization	3
		17

SOPHOMORE YEAR

ENGL XXX	Literature Elective	3
CHEM 221	Organic Chemistry I	4
MDTC 201	*Medical Physiology	4
MATH 155	Modern Statistics with Computer Analysis	3
or		
MATH 151	Elementary Probability and Statistics	3
	Group IB Elective	3
		17
CHEM 222	Organic Chemistry II (for chemistry minors and pre-meds)	4
or		
	Elective	3
BIOL 211	Microbiology	4
PHEC 106	Personalized Health/Fitness	3
	Group IB Elective	3
	Group IIB Elective	3
		16-17

JUNIOR YEAR

MDTC 300	Principles of Medical Technology	4
BIOL 323	Medical Microbiology	4
CHEM 321	Analytical Chemistry	4
	Group IIB Elective	3
		15
MDTC 301	Hematology I	4
MDTC 341	Principles of Clinical Chemistry	5
MDTC 311	Clinical Microbiology I	4
BIOL 333	Immunology	4
		17

SENIOR YEAR

MDTC 401	Hematology II	3
MDTC 431	Immunohematology I	3
MDTC 441	Advanced Clinical Chemistry	4
MDTC 411	Clinical Microbiology II	4
MDTC 451	Instrumentation and Automation	1
		15
MDTC 402	Hematology III (or alternate rotation)	3
MDTC 403	Urine and Body Fluid Analysis	1
MDTC 412	Clinical Microbiology III	3
MDTC 413	Clinical Immunology	1
MDTC 432	Immunohematology II	3
MDTC 442	Automated Clinical Chemistry	2
MDTC 443	Special Clinical Chemistry	3
MDTC 461	Organization and Management	2
MDTC 471	Clinical Seminar	1
		19

* students may take a full year of anatomy and physiology or BIOL 121 and 122 to substitute for BIOL 101 and MDTC 201
** in lieu of a college course, a student may fulfill the mathematics course

requirements by achieving a minimum grade point average of B in three years of high school mathematics and ACT or SAT scores above the 75th percentile (national norm); other acceptable courses include MATH 117, 118, 150, 160 and 201

NOTE: Transfer students and medical laboratory technicians should seek individual advisement from the medical technology program to prevent duplication of coursework and/or experiences.

Respiratory Therapy

Program Director
Associate Professor Theodore Wiberg, Ph.D.; *cardiopulmonary physiology*
Clinical Education Director
Assistant Professor Sidney Schneider, M.Ed., RPFT, RRT; *adult/pediatric/neonatal respiratory care, pulmonary function testing, health/fitness*
Medical Directors
Adjunct Professor C. Rodney Layton Jr., M.D., certifications from National Board of Medical Examiners, American Board of Internal Medicine (Parts I & II); pulmonary disease
Adjunct Professor William J. Nagel, M.D., certifications from American Board-Internal Medicine, American Board-Pulmonary Diseases
Lecturers
Debra Bolen, M.Ed., BSRC, RRT; *clinical instruction, general/critical adult patient respiratory care*
Donna Tingle, M.Ed., BSRC, RRT; *clinical instruction, advanced adult patient care/neonatal pediatric respiratory care*

The Department of Health Sciences offers a program leading to the Bachelor of Science in respiratory therapy, preparing highly trained health care practitioners who administer care to patients with disorders of the cardiopulmonary system.

Respiratory care is both a diagnostic and therapeutic specialty using specialized equipment and technological procedures. The practice includes the administration of gas mixtures by various appliances, application of mechanical ventilators to assist or control breathing, maintenance of airways, administration of drugs by inhalation, assistance with cardiopulmonary resuscitation, monitoring of heart and lung functions of critically ill patients, and evaluation of patients in the cardiopulmonary laboratories.

Major in Respiratory Therapy

A total of 128 credit hours is required for the baccalaureate degree with 61 credits required within the major. The four-year curriculum includes a General Education experience and the following support courses selected from the biological and physical sciences:

		Credits
BIOL 211	Microbiology	4
BIOL 215	Human Anatomy and Physiology	4
BIOL 216	Human Anatomy and Physiology	4
BIOL 334	Pathophysiology	4
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
PHYS 121	General Physics	4
or		
COSC 110	Introduction to Computer Systems	3
and		
COSC 112	Microcomputer Use	1

Students should complete all preparative courses and must complete all science support courses prior to admission to the professional program. In the final two years of the program students must satisfactorily complete with grades of C or better the units on Foundations of Respiratory Care and Critical Care Concepts prior to participation in the clinical experience at Peninsula Regional Medical Center, Easton Memorial Hospital or other clinical sites.

Satisfactory completion of the prescribed program of study in respiratory care will qualify the student to sit for the national Board of Respiratory Care entry-level and subsequent registry exams. All major requirements must have been completed within a seven-year period prior to participation in the fourth year respiratory therapy experiences.

General Information

A major in respiratory therapy may be declared at any timeprior to the clinical experience. However, students with a sincere interest in the profession are encouraged to declare a major early in the college experience in order to take advantage of professional advising and program planning.

Students wishing to obtain the baccalaureate degree who hold associate degrees or who have previously been either certified respiratory therapy technicians (CRTT) or registered respiratory therapists (RRT) may apply for advanced standing in the major. Each applicant will be evaluated on an individual basis to determine class standing within the major, and the evaluation process may employ challenge examination, demonstration of proficiency and registry evaluation.

Curriculum Guide: Bachelor of Science In Respiratory Therapy

The following is a sample sequence of courses for students majoring in respiratory therapy. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PSYC 101	General Psychology	3
CHEM 121	General Chemistry	4
	Group IB Elective	3
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
CHEM 122	General Chemistry	4
BIOL 215	Human Anatomy and Physiology	4
	Group IIB Elective	3
		17
SOPHOMORE YEAR		
BIOL 211	Microbiology	4
BIOL 216	Anatomy and Physiology	4
PHYS 121	General Physics	4
or		
COSC 110	Introduction to Computer Systems	3
and		
COSC 112	Microcomputer Use	1
PHEC 106	Personalized Health/Fitness	3
		15
MATH 151	Elementary Probability and Statistics	3
BIOL 334	Pathophysiology	4
SOCI XXX	Sociology Elective	3
RESP 210	Foundation Studies in Respiratory Therapy	3
	Group IB Elective	3
		16
JUNIOR YEAR		
(Foundations of Respiratory Care)		
RESP 301	Patient Care Procedures	4
RESP 302	Basic Respiratory Procedures/Clinical Practicum	7
RESP 303	Cardiopulmonary Physics	3
	Group IA Literature Requirement	3
		17

RESP 321	Advanced Respiratory Care	4
RESP 322	Pharmacology	3
RESP 323	Clinical Practicum II	7
	*Elective	3
		17
SENIOR YEAR		
(Critical Care Concepts)		
RESP 401	Pediatric Respiratory Care	3
RESP 402	Pulmonary Diag. and Rehabilitation	4
RESP 403	Clinical Practicum III	7
RESP 404	Management Practices in Health Sciences	3
		17
RESP 420	Respiratory Care Seminar	3
RESP 421	Study in Respiratory Care	2
RESP 424	Critical Care Specialization	4
RESP 422	Management Specialization	4
or		
RESP 423	Education Specialization	4
or		
RESP 425	Diagnostics Specialization	4
		13

* elective courses pertinent to specialization

Mathematical and Computer Sciences

Chair
Professor Robert M. Tardiff, Ph.D.; *probability, applied mathematics*
Professors
Homer W. Austin, Ph.D.; *mathematics education, statistics*
Donald C. Cathcart, Ed.D.; *mathematics education, modeling*
Associate Professors
E. Lee May Jr., Ph.D.; *functional analysis, operator theory*
David L. Parker, Ph.D.; *topology, artificial intelligence*
Kathleen M. Shannon, Ph.D.; *numerical analysis, critical thinking and mathematics*
Assistant Professors
Michael J. Bardzell, Ph.D.; *algebraic topology*
Dean DeFino, M.S.; *computer architecture, compiler construction*
Steven M. Hetzler, Ph.D.; *dynamical systems*
Lynne Hoen, M.Ed. (visiting); *math education*
Thomas O. Horseman, M.S.; *structured programming, scientific computing*
Philip E. Luft, Ph.D.; *engineering mathematics, signal processing*
Mary Lou Malone, M.S.; *object-oriented programming, software engineering*
Mohammad Moazzam, Ph.D.; *differential equations, numerical analysis*
Carla N. Schultes, Ph.D.; *differential geometry*
Barbara A. Wainwright, Ph.D.; *statistics, mathematics education*
Lecturers
Christopher J. Lewis, M.A.; *mathematics/topology*
James D. McMillan, Ph.D.; *dynamics mechanics, software engineering*

The Department of Mathematics and Computer Science offers programs leading to the Bachelor of Science in mathematics, including concentrations in computer science and statistics. The department introduces students to the beauty and utility of mathematics, statistics and computer science in an environment that enhances learning experiences inside and outside the classroom. The department provides up-to-date programs as well as undergraduate research, internship and consulting opportunities.

The major in mathematics encourages students to examine the relationships among pure mathematics, applied mathematics, statistics and computer science. It provides a foundation for graduate work or careers in applied mathematics, statistics, computer science, actuarial science or secondary education.

Major in Mathematics

All required mathematics and computer science courses must be completed with grades of C or better.

All mathematics majors must complete the following core:

		Credits
MATH 201	Calculus I	4
MATH 202	Calculus II	4
MATH 210	Introduction to Discrete Mathematics	3
MATH 306	Linear Algebra	3
MATH 310	Calculus III	4
COSC 120	Computer Programming	4
PHYS XXX	PHYS 121 or higher with lab	4-5

Students then complete their major in one of four ways: traditional major, computer science concentration, statistics concentration or teacher certification. See the department for appropriate checklists and advisement.

Traditional Major

Students select appropriate electives (see faculty advisor): five 400-level mathematics courses, two other mathematics courses with at most three hours at the 100 level, and approved collateral courses totaling at least 12 credits.

Computer Science Concentration

Students interested in computer science must meet the following requirements:

1. Complete the following courses:

		Credits
COSC 110	Introduction to Computer Systems	3
COSC 112	Microcomputer Use	1
COSC 220	Algorithm Analysis and Data Structures	4
COSC 250	Microcomputer Organization	3
COSC 350	Systems Software	3
COSC 450	Operating Systems	3

2. Complete four 300/400-level mathematics courses, two of which must be at the 400 level.
3. Select two of the following courses, one of which must be at the 400 level:

		Credits
COSC 290	Internship	3
COSC 303	Scientific Computing	3
COSC 390	Undergraduate Research Project	3
COSC 422	Organization of Programming Languages	3
COSC 425	Software Engineering	3
COSC 456	Computer Architecture	3
COSC 482	Computer Graphics	3

Statistics Concentration

Students interested in statistics must meet the following requirements:

1. Complete the following courses:

		Credits
MATH 155	Modern Statistics with Computer Analysis	3
MATH 311	Differential Equations I	4
MATH 313	Elementary Survey Sampling	3
MATH 314	Intermediate Applied Statistics	3
MATH 360	Operations Research	3
MATH 413	Mathematical Statistics I	3
MATH 414	Mathematical Statistics II	3
MATH 465	Mathematical Models and Applications	3
MATH 4XX	400-level Elective	3

2. Satisfy one of the following field experiences:

		Credits
MATH 290	Internship	3
MATH 390	Undergraduate Research Project	1-3

Teacher Certification

Mathematics students may be certified to teach mathematics at the secondary level by fulfilling the following requirements:

1. Complete two mathematics courses with at most three hours at the 100 level.
2. Complete the following courses:

		Credits
MATH 402	Theory of Numbers	3
or		
MATH 441	Abstract Algebra	3
MATH 406	Geometric Structures	3
MATH 413	Mathematical Statistics I	3
MATH 465	Mathematical Models and Applications	3
MATH 480	History of Mathematics	3

3. Satisfy the following education requirements:

		Credits
EDUC 300	Development and Learning	3
EDUC 305	The School in Society	3
EDUC 306	Principles of Instruction: Research, Theory and Practice	3
EDUC 308	Audio-Visual Equipment Operation	1
EDUC 335	Mathematics in the Secondary School	3
EDUC 426	Directed Teaching in the Secondary School (in mathematics)	6
EDUC 428	Directed Teaching in the Secondary School (in mathematics)	3
EDUC 433	Student Teaching Seminar-Secondary Education	2
EDUC 467	Educating the Mildly Handicapped Child in the Regular Classroom	3
PSYC 101	General Psychology	3
CMAT 250	Instructional Communication	3

4. Maintain a GPA of 2.75 or higher in both the major and in professional education courses and an overall GPA of 2.5 or higher.
5. Pass the required competency exams.

Minor in Mathematics

The minor in mathematics consists of at least 18 semester hours of mathematics, of which 15 are not counted for General Education, 12 are numbered 201 or higher, and at least three are at the 300/400 level. Each course in the minor must be completed with a grade of C or better.

Minor in Computer Science

The minor in computer science requires completion of the following courses with a grade of C or better: COSC 110, COSC 112 or ISMN 111, COSC 120, COSC 220, COSC 250 and COSC 350. At least 15 hours of the minor must consist of courses not used to satisfy General Education requirements.

General Information

Three units of high school mathematics (including Algebra II), GENL 130 (completed for a grade), or college algebra (MATH 102) is a prerequisite for all other math courses.

Transfer students majoring in mathematics are required to complete at least 15 hours in mathematics with grades of C or better at Salisbury State University, at least 12 of which must be at the 300/400 level.

Once a student has received credit for a course, including transfer credit, credit may not be received for any course with prerequisite or equivalent material.

Curriculum Guide: Bachelor of Science In Mathematics

The mathematics program is designed to permit students to complete departmental requirements within approximately four years. Beyond the first three semesters, students should select courses appropriate to their individual program of study as outlined in the requirements for the "Major in Mathematics."

The following is a sample sequence of courses for students pursuing a major in mathematics. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
MATH 201	Calculus I	4
COSC 120	Computer Programming	4
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
		14
MATH 202	Calculus II	4
MATH 210	Discrete Mathematics	3
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
		16

SOPHOMORE YEAR		
MATH 310	Calculus III	4
MATH 306	Linear Algebra	3
PHYS XXX	Physics 121 or higher	4-5
	Group IB Elective	3
		14-15
MATH COSC/EDUC Courses (200 level)		6-7
	Group IB Elective	3
	Group IIIA Elective	3-4
	Group IIB Elective	3
		15-17

JUNIOR YEAR		
MATH COSC/EDUC Course (400 level)		3
	Collateral Course #1	3
or		
MATH COSC/EDUC Course		3-4
	Group IA Elective	3
	Group IIB Elective	3
	Elective	3
		15-16
MATH COSC/EDUC Courses (400 level)		6
	Group IIB Elective	3
	Collateral Course #2	3
or		
MATH COSC/EDUC Course (400 level)		3-4
	Group IIB Elective	3
	Elective	3
		15-16

SENIOR YEAR		
MATH COSC/EDUC Course (400 level)		3
	Collateral Course #3	3
or		
MATH COSC/EDUC Course		
	*Electives	9-10
		15-16
MATH COSC/EDUC Course (400 level)		3
	Collateral Course #4	3
or		
MATH COSC/EDUC Course		3-4
	Electives	9
		15-16

* chosen to meet the 120 semester hour requirement for graduation

Nursing

Chair
Associate Professor Karen K. Badros, Ed.D.; *nursing education, administration*
Professor
Karin E. Johnson, Dr.P.H.; *adolescent health*
Associate Professors
Barbara Ann Butler Kellam, Ph.D.; *pediatric nursing*
Ruth Carroll, Ph.D.; *family research*
Shielda G. Rodgers, Ph.D.; *adolescent health*

Assistant Professors
Susan B. Battistoni, M.S.; *adult medical-surgical nursing*
Voncelia S. Brown, M.S.; *community health*
Nancy Elizabeth Drewer, M.S.; *adult health*
Mary K. Kane, M.S.N.; *psychiatric mental health*
Kathleen K. Kolls, M.Ed.; *psychiatric mental health*
Dorothea McDowell, M.S.; *informatics*
Elizabeth A. Seldomridge, Ph.D.; *critical thinking*
Tereza G. Sidrak, M.S.; *pediatric nursing*
Instructors
Tina S. Collins, M.S.; *qualitative research*
Catherine M. Walsh, Ph.D.; *health promotion*
Lecturers
Phyllis Brodsky, M.S.; *maternal-newborn nursing*
Jane E. Burns, M.S.N.; *psychiatric nursing, leadership in management, political action*
Mary DiBartolo, M.B.A.; *medical-surgical nursing*

The Department of Nursing offers a program leading to the Bachelor of Science in nursing, with a primary mission of facilitating a liberal and professional education that provides opportunities for professional development and self-actualization. Besides educating students in the practice of professional nursing, the department promotes the health of the people in the region through education, service and research. In addition, the department seeks to provide leadership in the development and dissemination of nursing knowledge focused on the changing health care needs of the rural region.

The nursing program is designed to prepare a generalist practitioner qualified to provide professional nursing care to individuals, families and communities at all levels of wellness in a variety of health care settings; promote the quality, availability and accessibility of nursing education and nursing care; and provide quality education for students as a basis forgraduate study in nursing.

Educational preparation for nursing involves a sequence of learning experiences in a variety of health care settings with clients of all age groups, of multicultural backgrounds and of various socioeconomic levels.

The program is fully accredited by the National League for Nursing and the Maryland Board of Nursing. Graduates are eligible to take state board examinations for licensure as registered nurses.

Admission to the Nursing Major

Students must be admitted to Salisbury State University before they can be considered for admission to the nursing major. Admission to the nursing program is competitive and students will be considered on the basis of academic qualifications. Ordinarily, applicants must have a cumulative GPA of at least 2.5 to be considered for the major. Admission to the University does not guarantee admission to the nursing program.

Students seeking the major in nursing enroll in the University as pre-nursing students until approved for admission by the Department of Nursing. Applications for admission to the nursing major must be submitted to the Department of Nursing no later than February 15 for notification of admission for the following fall.

General Education credit may be transferred to Salisbury State University from other accredited colleges and universities and credit earned by CLEP examination is acceptable. Lower-division nursing courses are not transferable. Upper-division nursing courses taken at other accredited colleges and universities will be evaluated by the Nursing Department on an individual basis.

Major in Nursing

The nursing program includes a General Education component, support courses in the natural and behavioral sciences and a series of upper-division nursing courses for a total of 123 semester hours. The minimum acceptable grade for BIOL 334: Pathophysiology and all required nursing courses is C.

Requirements in nursing are subject to change in order to meet standards established by external accrediting agencies. Nursing majors must satisfy the following requirements:

1. Complete the following nursing core:

		Credits
NURS 309	Foundations for Professional Nursing	3
NURS 310	Care of Adults I	3
NURS 311	Adult I CLN	3
NURS 319	Health Assessment	3
NURS 329	Research Methods	3
NURS 350	Care of Adults II	3
NURS 351	Adult II CLN	3
NURS 360	Care of Children	3
NURS 361	Children CLN	3
NURS 370	Maternal Newborn	3
NURS 371	Maternal Newborn CLN	3
NURS 380	Psychiatric-Mental Health	3
NURS 381	Psychiatric-Mental Health CLN	3
NURS 430	Community Health	3
NURS 431	Community Health CLN	3
NURS 440	Senior Seminar	3
NURS 441	Internship	3

2. Satisfy the following support courses from other departments:

		Credits
BIOL 211	Microbiology	4
BIOL 215	Human Anatomy and Physiology	4
BIOL 216	Human Anatomy and Physiology	4
BIOL 217	Nutrition	3
BIOL 334	Pathophysiology	4
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
MATH 155	Modern Statistics	3
PSYC 101	General Psychology	3
PSYC 300	Development Psychology	3
PSYC 302	Abnormal Psychology	3
SOCI XXX	Elective	3

Completion of these courses will partially satisfy groups II and III of the General Education requirements. Students who fail to complete any of the required nursing courses must apply to the Student Policies Committee for readmission to the nursing major.

Registered Nurse Students

Salisbury State University participates in the Maryland articulation nursing education model. Under this model, several options for articulating from a diploma or associate nursing program have been developed. These options depend on the year of graduation and the state of the basic RN program. A brochure, developed especially for registered nurse students, that describes these options in detail is available upon request from the Nursing Department.

Second-Degree Program Track

The School of Science offers an accelerated program track leading to the Master of Science with a major in nursing for non-nurse college graduates who wish to prepare for professional nursing roles and advanced clinical practice.

There are 83 semester hours in the course of study. The Bachelor of Science in nursing is awarded after

successful completion of 48 semester hours (44 undergraduate credits, four graduate credits). The full-time student will normally complete the undergraduate degree requirements and be eligible to take the licensure examination for registered nurses (NCLEX-RN) in four semesters. The master's degree requires a minimum of 35 semester hours beyond those completed for the B.S. in nursing. Details of this program track are presented in the University *Graduate Catalogue*.

Application forms and specific admission-progression information may be obtained from the Graduate Nursing Office or the Admissions Office.

Curriculum Guide: Bachelor of Science In Nursing

The following is a sample sequence of courses for students majoring in nursing. Required nursing courses may be offered only in the semester indicated. This curriculum guide is subject to refinement to reflect current trends in nursing. Students should consult regularly with their advisors when developing their individual program plans and selecting courses.

FRESHMAN YEAR		Credits
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PSYC 101	*General Psychology	3
BIOL 215	*Anatomy and Physiology I	4
	Group IB Elective	3
		16
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
BIOL 216	*Anatomy and Physiology II	4
CHEM 121	*General Chemistry I	4
	Group IB Elective	3
		17
SOPHOMORE YEAR		
ENGL XXX	Literature	3
CHEM 122	*General Chemistry II	4
BIOL 211	*Microbiology	4
PSYC 300	*Developmental Psychology	3
PHEC 106	Individualized Health Fitness	3
		17
BIOL 334	*Pathophysiology	4
BIOL 217	*Nutrition	3
MATH 155	#Modern Statistics	3
PSYC 302	#Abnormal Psychology	3
	Group IIB Elective	3
		16
JUNIOR YEAR		
NURS 309	Foundations for Professional Nursing	3
NURS 310	Care of Adults I	3
NURS 311	Adult I CLN	3
NURS 319	Health Assessment	3
SOCI XXX	Sociology Elective	3
		15
NURS 329	Research Methods	3
NURS 350	Care of Adults II	3
NURS 351	Adult II CLN	3
NURS 360	Care of Children	3
NURS 361	Children CLN	3
		15
SENIOR YEAR		
NURS 370	Maternal-Newborn	3
NURS 371	Maternal-Newborn CLN	3
NURS 380	Psychiatric-Mental Health	3
NURS 381	Psychiatric-Mental Health CLN	3
	Free Elective	3
		15
NURS 430	Community Health	3
NURS 431	Community Health CLN	3
NURS 440	Senior Seminar	3
NURS 441	Internship	3
		12

* credit must be documented before beginning the major
\# prerequisites to subsequent nursing course

Physics

Chair
Associate Professor Andrew J. Pica, Ph.D.; *astronomy*
Professors
William W. Hakala, Ph.D. (visiting); *engineering*
Charles Richard McKenzie, Ph.D.; *physics, electronics*
Associate Professor
Asif Shakur, Ph.D.; *physics*
Assistant Professors
Laura M. Weinkauf, Ph.D. (visiting); *elementary particles and high energy physics*
Gail Welsh, Ph.D.; *physics, condensed matter*
Lecturer
David Kanarr, M.Ed.; *physical science*

The Physics Department prepares students for a variety of careers in high-technology fields as well as graduate studies in physics or electrical engineering. The department's mission is to prepare students to work confidently and effectively in physics or a related field, to develop the power to think clearly, judge soundly and communicate effectively.

Graduates of the physics program have an expertise in physics, electronics and microcomputers, areas that are an increasingly important part of everyday life. Applications are found in industrial, commercial, medical and governmental environments. There is a growing need for technically oriented personnel in all aspects: research, design, manufacture, sales and service.

Major in Physics

All required physics courses must be completed with a minimum overall GPA of 2.0. All physics majors must complete the following core:

		Credits
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
MATH 201	Calculus I	4
MATH 202	Calculus II	4
MATH 310	Calculus III	4
MATH 311	Differential Equations	4
PHYS 211	Major Concepts in Physics	3
PHYS 221	Physics I	5
PHYS 223	Physics II	5
PHYS 309	Mathematical Physics	3
PHYS 311	Electrical Circuits and Electronics	4
PHYS 313	Introduction to Modern Physics	3
PHYS 314	Mechanics	3
PHYS 315	Electricity and Magnetism	3
PHYS 316	Introduction to Quantum Mechanics	3

Students can complete the physics major in one of three ways: general physics track, microelectronics track or pre-engineering program. See the department for appropriate checklists and advisement.

General Physics Track

Students pursuing general physics must fulfill the following requirements:

1. Complete the following courses:

		Credits
PHYS 407	Senior Laboratory	3
PHYS 490	Research in Physics	3

2. Satisfy 15 additional hours of 300/400-level physics courses.

Microelectronics Track

Physics majors pursuing microelectronics must complete the following courses:

		Credits
PHYS 318	Semiconductor Physics	3
PHYS 321	Analog Electronics	4
PHYS 322	Digital Electronics	4
PHYS 411	Microprocessor Architecture	4
PHYS 412	Microcomputer Interfacing	4
PHYS 475	Research in Microcomputer Physics	3

Pre-engineering Program

The 3-2 dual-degree pre-engineering program is a cooperative program with the University of Maryland, Old Dominion University and Widener University (see "Dual-Degree Engineering"). To fulfill the pre-engineering degree, students must complete 30 semester hours at the receiving institution.

Minor in Physics

The requirements for a minor in physics are as follows:

1. Complete the following courses:

		Credits
PHYS 221	Physics I	5
PHYS 223	Physics II	5

2. Select at least eight credit hours of 300/400-level physics courses.

Curriculum Guide: Bachelor of Science In Physics

The following is the suggested sequence of courses taken by physics/microelectronics majors at Salisbury State University. Students should consult regularly with their advisors when developing their individual program plans and selecting courses:

FRESHMAN YEAR		Credits
PHYS 211	Major Concepts in Physics	3
MATH 201	Calculus I	4
ENGL 101	Principles of Composition	3
HIST 101	World Civilizations	3
PHEC 106	Personalized Health/Fitness	3
		16
PHYS 221	Physics I	5
MATH 202	Calculus II	4
ENGL 102	Principles of Literature	3
HIST 102	World Civilizations	3
		15
SOPHOMORE YEAR		
PHYS 223	Physics II	5
MATH 310	Calculus III	4
CHEM 121	General Chemistry I	4
	Group IIB Elective	3
		16
PHYS 309	Mathematical Physics	3
PHYS 311	Electrical Circuits and Electronics	4
MATH 311	Calculus	4
CHEM 122	General Chemistry II	4
		15
JUNIOR YEAR		
PHYS 313	Introduction to Modern Physics	3
PHYS 314	Mechanics	3
PHYS 322	Digital Electronics	4
ENGL XXX	Literature Elective	3
	Group IIB Elective	3
		16
PHYS 315	Electricity and Magnetism	3
PHYS 321	Analog Electronics	4
PHYS 411	Microprocessor Architecture	4
	Group IB Elective	3
	Group IIB Elective	3
		17
SENIOR YEAR		
PHYS 316	Introduction to Quantum Mechanics	3
PHYS 318	Semiconductor Physics	3
PHYS 412	Microcomputer Interfacing	4
	Group IB Elective	3
	Electives	3
		16
PHYS 475	Research in Microcomputer Physics	3
	Electives	9
		12

Courses

The following course listing represents the University curricula as of the publication of this catalogue. Additions and changes to the offerings are published in the "Catalogue Supplement," printed in each semester's registration *Bulletin*.

Not all courses are offered every semester. For current offerings consult the most current academic schedule and the *Guide to Course Requirements* during registration periods. See your academic advisors/department chair for additional information.

Accounting (ACCT)

201. PRINCIPLES OF ACCOUNTING I **3 hours credit**
Survey of current accounting principles, the accounting cycle and financial statements. Emphasis on proprietorships. Computer spreadsheet applications required. Not open to freshmen. **Three hours per week.**

202. PRINCIPLES OF ACCOUNTING II **3 hours credit**
Survey of accounting principles and financial statements as they apply to partnerships and corporations and an introduction to manufacturing statements. Computer spreadsheet applications required. **Prerequisite:** ACCT 201. **Three hours per week.**

302. COST ACCOUNTING I **3 hours credit**
Internal financial reporting practices for manufacturing concerns and an examination of cost control. Topics include manufacturing statements, job order costing, process costing and standard costing. Computer spreadsheet applications required. **Prerequisite:** ACCT 202. **Three hours per week.**

304. INTERMEDIATE ACCOUNTING I **3 hours credit**
Detailed analysis of current and non-current assets and the related revenue and expense accounts. Emphasis on recent APB and FASB pronouncements. **Prerequisite:** 3.0 GPA for ACCT 201 and 202. **Three hours per week.**

305. INTERMEDIATE ACCOUNTING II **3 hours credit**
Detailed analysis of accounting concepts, including current and non-current liabilities, stockholders equity accounts, related revenue and expense accounts, and statement of changes in financial position. Emphasis on recent APB and FASB guidelines. **Prerequisites:** ACCT 304, successful completion of the accounting program admission test. **Three hours per week.**

306. MANAGERIAL ACCOUNTING **3 hours credit**
Introduction to internal accounting--accounting for planning and control and also for special decisions. Various topics and techniques are covered, the most pervasive being budgets. **Prerequisite:** ACCT 202. **Three hours per week.**

341. FEDERAL INCOME TAX ACCOUNTING: PERSONAL **3 hours credit**
Discussion of technical tax provisions as they pertain to individuals. Emphasis on tax planning considerations. Use of IRS forms where appropriate. This course, along with successful participation in the VITA program, satisfies the ABLE requirement. **Prerequisite:** ACCT 202. **Three hours per week.**

342. FEDERAL INCOME TAX ACCOUNTING: PARTNERSHIP AND CORPORATION **3 hours credit**
Discussion of technical tax provisions as they pertain to corporations, partnerships, estates and trusts. Emphasis on tax planning considerations. **Prerequisite:** ACCT 341. **Three hours per week.**

401. INTEGRATED ACCOUNTING SYSTEMS **3 hours credit**
Detailed analyses and applications of computerized integrated accounting software systems. Topics include general ledger, accounts receivable, accounts payable, payroll, inventory and report writing systems. **Prerequisite:** ACCT 202. **Three hours per week.**

403. ADVANCED ACCOUNTING I **3 hours credit**
In-depth study of consolidations and governmental/not-for-profit accounting. **Prerequisite:** ACCT 305. **Three hours per week.**

404. ADVANCED ACCOUNTING II **3 hours credit**
Examination of advanced accounting topics such as foreign currency translations; segment, interim and SEC reporting; troubled debt; partnerships; and estates and trusts. **Prerequisite:** ACCT 305. **Three hours per week.**

407. AUDITING **3 hours credit**
Duties and responsibilities of auditors, auditing standards, examination procedures, work paper preparation and audit reports. **Prerequisites:** Senior status, ACCT 305. **Three hours per week.**

420. ACCOUNTING INFORMATION SYSTEMS **3 hours credit**
Examination of the role of accounting information in the organization. Major topics include users of accounting information, goals and objectives, review of accounting systems, the human component, hardware, software, data, operating controls and management controls. **Prerequisite:** ACCT 304. **Three hours per week.**

American Studies (AMST)

205. THE AMERICAN EXPERIENCE **3 hours credit**
Introductory course in American Studies. Attempts to define the American character and society through reading in history, biography and fiction covering the 19th and 20th centuries. **Three hours per week.**

305. ALTERNATIVE COMMUNITIES AND LIFESTYLES IN AMERICA **3 hours credit**
Survey of American countercultures from the Puritans to recent communes. Emphasis on alternative forms of religion, economic and social organization, and marriage. **Three hours per week.**

315. TOPICS IN AMERICAN STUDIES **3 hours credit**
Historical study of some particular aspect of American society and culture. May be taken twice under different course titles recorded with the registrar. **Three hours per week.**

480. SENIOR SEMINAR IN AMERICAN STUDIES **3 hours credit**
A research seminar. Students design and carry out a research project. Class reading and discussion attempts to integrate previous work done in American studies and arrive at a comprehensive overview of American society and culture.

Anthropology (ANTH)

212. CULTURAL ANTHROPOLOGY **3 hours credit**
Analysis of the concept of culture as humanity's social heritage through study of small-scale societies and their institutions. Focuses on anthropologists' use of participant-observation and techniques for systematically ordering field data into a body of knowledge concerning human behavioral similarities and diversities. Includes a general introduction to the entire field of anthropology. **Three hours per week.**

215. PRIMITIVE RELIGION **3 hours credit**
Study of beliefs and rituals of people affected by the presence of gods or other supernatural beings. Topics include magic, witchcraft and shamanic practices among aboriginal and traditional societies throughout the world. **Three hours per week.**

250. ARCHAEOLOGY OF ANCIENT SOCIETIES **3 hours credit**
Study of excavation techniques and scientific methods for interpreting the evolution of ancient societies. Examines evidence for the surviving record of human societies from the lower Paleolithic to early historic times. **Two hours lecture, one hour laboratory per week.**

300. STUDIES IN ANTHROPOLOGY **3 hours credit**
Independent study in a subfield of anthropology. Topic to be approved by instructor. May include field work and may be repeated twice under different subtitles. **Prerequisite:** ANTH 212. **Three hours per week.**

350. PHYSICAL ANTHROPOLOGY **3 hours credit**
Overview of the major evidence for human evolution, including the human fossil record, implications of human biological variation and studies of non-human primates (esp. gorillas, chimpanzees and orangutans) in natural settings. **Prerequisite:** ANTH 212. **Three hours per week.**

355. NORTH AMERICAN INDIAN **3 hours credit**
Explores American Indian cultures north of Mexico with emphasis on tribal origins, patterns of adaption and analysis of economic, social and ideological systems. Reviews ethnographic accounts of traditional Indian life ways, reservation life and its aftermath. **Three hours per week.**

400. INDIVIDUAL DIRECTED STUDY **3 hours credit**
Advanced study in an area of anthropology through intensive literature and/or field research. May be repeated once under different subtitles. **Prerequisite:** ANTH 212. **Three hours per week.**

450. COMPARATIVE CULTURES **3 hours credit**
Cross-cultural survey of primitive societies with emphasis on human social differences and their meaning. Examples drawn from Africa, Asia, North and South America and Oceania. Focus on cultural diversity with references to varying marital, religious, economic, family and social problems. **Prerequisite:** ANTH 212. **Three hours per week.**

459. SEMINAR IN ANTHROPOLOGY **3 hours credit**
Review of current research and publication in the four subdisciplines of anthropology (cultural anthropology, physical anthropology, linguistic anthropology, archaeology/prehistory). **Prerequisite:** ANTH 212. **Three hours per week.**

Art (ART)

104. ART APPRECIATION **3 hours credit**
Introduction to art history that provides perspectives for an understanding of art and artists from a variety of periods, styles and movements. For non-art majors. **Three hours per week.**

119. DESIGN IN CRAFTS **3 hours credit**
Introduction to a variety of craft design concepts and techniques. Topics may vary from semester to semester and will not satisfy General Education requirements. **Four hours per week.**

120. TWO-DIMENSIONAL DESIGN **3 hours credit**
Introduction to and development of knowledge and comprehension of the underlying principles of composition, through the creation of designs on flat surfaces. Students furnish their own materials. B.A. and B.F.A. core. **Four hours per week.**

130. DRAWING I **3 hours credit**
Introduction to basic drawing principles, using a combination of black and white media in the exploration of linear and tonal elements. Students furnish their own materials. B.A. and B.F.A. core. **Four hours per week.**

201. INTRODUCTION TO ART HISTORY **3 hours credit**
Chronological survey of art and architecture in western civilization, from prehistory to the present. Considers the style, subject matter and purposes of art in relation to its historical time period or culture. B.A. and B.F.A. core. **Three hours per week.**

202. HISTORY OF NINETEENTH AND TWENTIETH CENTURY ART **3 hours credit**
Survey of the principal styles and movements of the modern tradition in art and of the work and ideas of the major artists. Emphasis on the development of new ideas redefining the concept of art and the role of the artist during this period. **Prerequisite:** ART 201; no prerequisite for non-majors. **Three hours per week.**

207. HISTORY OF RENAISSANCE ART **3 hours credit**
Survey of art and architecture in Italy and northern Europe during the 15th and 16th centuries. Considers the work and ideas of several generations of major artists within the larger historical, cultural and artistic contexts of the period. **Prerequisite:** ART 201; no prerequisite for non-majors. **Three hours per week.**

208. HISTORY OF BAROQUE AND ROCOCO ART **3 hours credit**
Survey of the visual arts in Europe from the late 16th century to the end of the 18th century. Covers historical and cultural contexts of this art, the work and ideas of major artists, and the development of new subject matter. **Prerequisite:** ART 201; no prerequisite for non-majors. **Three hours per week.**

215. CERAMICS I **3 hours credit**
Introduction to the art of making clay forms using methods of hand building, forming, glazing, decorating and firing. Students furnish their own materials. B.A. core. **B.F.A. prerequisite:** ART 120. **Four hours per week.**

219. DESIGN IN FIBER CRAFTS **3 hours credit**
Introduction to the art of textile design utilizing a variety of techniques and materials. Students furnish their own materials. **B.F.A. prerequisites:** ART 120, 130. **Four hours per week.**

220. PRINCIPLES OF COLOR **3 hours credit**
Introduction to the historical aspects of color and the exploration of the physical and psychological properties of color through practical exercises. Students furnish their own materials. B.A. and B.F.A. core. **Four hours per week.**

225. THREE-DIMENSIONAL DESIGN **3 hours credit**
Continued exploration of the elements and principles of design with a concentration of interrelationships between mass, space, form and volume. Students furnish their own materials. B.A. and B.F.A. core. **Prerequisite:** ART 120. **Four hours per week.**

226. ADVERTISING DESIGN I **3 hours credit**
Introduction to commercial design techniques and principles relating to problems of communication and persuasion. Students furnish their own materials. **Prerequisites:** ART 120, 130. **Four hours per week.**

228. ADVERTISING ILLUSTRATION **3 hours credit**
Introduction to basics of commercial illustration, principles of type-illustration relationships and various media techniques. Students furnish their own materials. **Prerequisite:** ART 226. **Four hours per week.**

229. PHOTOGRAPHY I **3 hours credit**
Introduction to basic elementary black and white photographic methods and darkroom procedures. Students furnish their own cameras, film, paper and developing tank. B.A. core. **Prerequisites:** B.A.-ART 120; B.F.A.- ART 201. **Four hours per week.**

230. DRAWING II **3 hours credit**
Introduction to monochromatic and polychromatic drawing techniques using wet and dry media. Students furnish their own materials. B.F.A. core. **Prerequisites:** B.A.-ART 120, 130; B.F.A.-ART 120, 130, 201. **Four hours per week.**

246. PAINTING I **3 hours credit**
Introduction to techniques in oil, acrylics and watercolor. Students furnish their own materials. B.A. and B.F.A. core. **Prerequisites:** ART 120, 130, 201. **Four hours per week.**

261. SCULPTURE I **3 hours credit**
Exploration of the expressive qualities of form using the subtractive and additive processes. Students furnish their own materials. **Prerequisites:** B.A.-ART 225; B.F.A.-ART 130, 225. **Four hours per week.**

265. WOOD SCULPTURE **3 hours credit**
Introduction to various woods, tools and sculpting techniques in a studio setting. Students must furnish materials. **Prerequisite:** ART 225. **Four hours per week.**

290. DIRECTED STUDY IN ART **1-3 hours credit**
Directed study in one or a combination of studio disciplines or art history. Students furnish materials. Course may be repeated one time under a different subtitle. **Prerequisites:** Approval of department chair prior to registration.

302. HISTORY OF AMERICAN ART: THE COLONIAL PERIOD TO 1900 **3 hours credit**
Survey of American painting, sculpture and architecture from the Colonial period to the end of the 19th century. Topics include the social, cultural and artistic contexts of American art; the work and ideas of major artists; and the development of an American style or tradition in art. **Prerequisite:** ART 201; no prerequisite for non-majors. **Three hours per week.**

303. HISTORY OF AMERICAN ART: THE TWENTIETH CENTURY **3 hours credit**
Survey of the visual arts, primarily painting and sculpture, in the United States from the turn of the century to the present, emphasizing the rapid succession of new styles and ideas about art since 1940. **Prerequisite:** ART 201; no prerequisite for non-majors. **Three hours per week.**

315. CERAMICS II **3 hours credit**
Introduction to the elements and principles of designing and making pottery using the wheel throwing process. Students furnish their own materials. **Prerequisite:** ART 215. **Four hours per week.**

322. ARTS ADMINISTRATION **3 hours credit**
Introduction to administrative skills for fine and performing arts: programming, budget, public relations, audience development, fund raising and case studies of art organizations. **Prerequisite:** Department chair approval. **Three hours per week.**

326. ADVERTISING DESIGN II **3 hours credit**
Study of commercial communication art principles and techniques including national mass media advertising campaigns, direct mail packages, three-dimensional display with a strong emphasis on illustration and typography. Students furnish their own materials. **Prerequisites:** B.A.-ART 226; B.F.A.-ART 226, completion of 21 hours of the B.F.A. core. **Four hours per week.**

329. PHOTOGRAPHY II **3 hours credit**
Continuation of aesthetic and experimental photography. Expands lab and field processes learned in Photography I and emphasizes personal expression. Topics include filters, flash, studio and darkroom techniques, Kodalith and multiple image. Students furnish their own cameras, film, paper and filters. **Prerequisite:** ART 229; B.F.A.-ART 229, completion of 21 hours of B.F.A. core. **Four hours per week.**

340. PAINTING II **3 hours credit**
Study of selected media chosen by the student, with attention to special techniques and problems. Students furnish their own materials. **Prerequisite:** ART 246. **Four hours per week.**

350. PRINTMAKING: LITHOGRAPHY **3 hours credit**
Introduction to the principles of lithographic printing through the study of historical elements and practical processes. Various monochromatic lithographic printing techniques explored. Students furnish their own materials. **Prerequisites:** B.A.-ART 120, 130; B.F.A.-ART 120, 130 and completion of 21 hours of B.F.A. core. **Four hours per week.**

351. PRINTMAKING: ETCHING **3 hours credit**
Introduction to the principles of the fine art methods of intaglio printing through the study of historical elements and practical processes. Various monochromatic etching techniques explored. Students furnish their own materials. **Prerequisites:** B.A.-ART 120, 130; B.F.A.-ART 120, 130 and completion of 21 hours of B.F.A. core. **Four hours per week.**

352. PRINTMAKING: SILKSCREEN **3 hours credit**
Introduction to the principles of serigraphic printing through the study of historical elements and practical processes. Various monochromatic and polychromatic silkscreen printing techniques explored. Students furnish their own materials. **Prerequisites:** B.A.-ART 120, 130; B.F.A.-ART 120, 130 and completion of 21 hours of B.F.A. core. **Four hours per week.**

353. PRINTMAKING: RELIEF **3 hours credit**
Introduction to the principles of relief printing through the study of historical elements and practical processes. Various monochromatic and polychromatic relief printing techniques explored. Students furnish their own materials. **Prerequisites:** B.A.-ART 120, 130; B.F.A.-ART 120, 130 and completion of 21 hours of B.F.A. core. **Four hours per week.**

361. SCULPTURE II **3 hours credit**
Study of the sculpture techniques of welding, casting and hand building. Students furnish their own materials. **Prerequisites:** B.A.-ART 215, 261; B.F.A.-ART 215, 261 and completion of 21 hours of the B.F.A. core. **Four hours per week.**

375. METHODS AND MATERIALS FOR ELEMENTARY ART **3 hours credit**
Introduction to teaching strategies, materials, techniques and planning for use in K-6. Students furnish most of their own materials. Students may not receive credit for both ART 375 and EDUC 375. **Four hours per week.**

390. ADVANCED STUDY IN ART **1-3 hours credit**
Advanced study in one or a combination of studio disciplines or art history. Students furnish their own materials. **Prerequisite:** Completion of B.A. and B.F.A. core and all regularly scheduled courses in thesis area; approval of the department chair prior to registration.

395. SPECIAL TOPICS IN ART **1-3 hours credit**
Intensive study of a selected area in studio and/or art history that includes research. May be taken twice for credit with different subtitles. Students furnish their own materials. **Prerequisites:** B.A.-ART 120, 130, 201; B.F.A.-completion of 21 hours of the B.F.A. core.

399. INTERNATIONAL FIELD STUDY **3-6 hours credit**
Travel and study of art, geography, history and culture of selected countries. Pre-tour lectures and other activities required. May be repeated once for credit. **Prerequisite:** Consent of instructor.

415. CERAMICS III **3 hour credit**
Presentation of advanced techniques in wheel throwing, clay assembly and kiln firing. Students furnish their own materials. **Prerequisites:** B.A.-ART 315; B.F.A.-ART 315, completion of 21 hours of the B.F.A. core. **Four hours per week.**

416. CERAMICS IV **3 hours credit**
Surveys the history, theory and practice of ceramics in a studio setting. Each student investigates and presents a seminar report on an individually chosen area of ceramic art followed by the practical application of discoveries via individual art works. **Prerequisite:** B.A./B.F.A.-ART 415. **Four hours per week.**

420. PHOTOGRAPHY III **3 hours credit**
Study of color photography using transparency (slide) film. Practical applications include film selection, exposure and use of color in composition. Discussions of various types of color films and processes and of the history of color. Students furnish their own cameras and most supplies. **Prerequisites:** B.A.-ART 329; B.F.A.-ART 329, completion of 21 hours of the B.F.A. core. **Four hours per week.**

422. INTERNSHIP IN ARTS ADMINISTRATION **3-9 hours credit**
Training in local, regional or national arts organizations; selected areas of programming, budget, fund raising, audience development and public relations. May be taken one time for three credits, and a second time for up to six credits. **Prerequisites:** ART 322 and department chair approval. **Ten to 30 hours per week.** (*P/F*)

426. ADVERTISING DESIGN III **3 hours credit**
Advanced advertising design training and work experience in a classroom. **Prerequisites:** B.A.-ART 326; B.F.A.-ART 326, completion of 21 hours of the B.F.A. core. **Four hours per week.**

427. ADVERTISING DESIGN IV **3 hours credit**
Internship to develop mechanical production skills in conjunction with advanced advertising and graphic design assignments. **Prerequisite:** ART 426. **One hour lecture/seminar, 10 or more hours internship per week.**

428. ADVANCED STUDY IN THREE-DIMENSIONAL DESIGN **3 hours credit**
Creative study and critical analysis of three-dimensional forms in clay and other materials based on a variety of two-dimensional themes. **Prerequisites:** ART 130, 215, 225. **Four hours per week.**

429. PHOTOGRAPHY IV **3 hours credit**
Study of advanced techniques to develop a personal aesthetic, artistic and professional style. Use of 4 x 5 view cameras and other advanced techniques. Projects of photo-essay form, designed to build students' portfolios. Students furnish their own cameras, film and paper. **Prerequisites:** B.A.-ART 329; B.F.A.-ART 329, completion of 21 hours of the B.F.A. core. **Four hours per week.**

430. DRAWING IV **3 hours credit**
Study of advanced monochromatic and polychromatic drawing techniques using wet and dry media with special attention given to ongoing thematic projects. Students furnish their own materials. **Prerequisites:** B.A.-ART 330, completion of 21 hours of the B.F.A. core. **Four hours per week.**

431. DRAWING V **3 hours credit**
Continued study in studio problems associated with drawing. Focus on the development of a portfolio and a series of papers based on a selected list of readings. **Prerequisite:** ART 430. **Four hours per week.**

440. PAINTING III **3 hours credit**
Study of watercolor, oil, acrylic or media substitute. Focus on painting and critiques. **Prerequisites:** B.A.-ART 340; B.F.A.-Art 340, completion of 21 hours of the B.F.A. core. **Four hours per week.**

441. PAINTING IV **3 hours credit**
Advanced experience requiring an individual theme and goals using one of the following media: watercolor, oil, acrylic or agreed upon substitute. Development of a professional portfolio. Sketch books and written papers required. Students furnish their own materials. **Prerequisite:** ART 440. **Four hours per week.**

442. PAINTING V **3 hours credit**
Continued study in studio problems associated with painting. Focus on the development of a portfolio and a series of papers based on a selected list of readings. **Prerequisite:** ART 441. **Four hours per week.**

461. SCULPTURE III **3 hours credit**
Advanced experience of techniques and media. Students furnish their own materials. **Prerequisites:** B.A.-ART 361; B.F.A.-ART 361, completion of the B.F.A. core. **Four hours per week.**

475. ARTS AND CRAFTS FOR THE EXCEPTIONAL CHILD **3 hours credit**
Art activities for the exceptional child. Provides a curricular framework for sequential planning and for material exploration for both gifted and slow learners. Students must furnish materials. **Prerequisites:** ART 375/EDUC 375, PSYC 423. **Four hours per week.**

480. ART, PSYCHOLOGY AND VISUAL PERCEPTION **3 hours credit**
Students use principles of psychology and visual perception to develop increased understanding of the visual arts. Students cannot receive credit for both PSYC 480 and ART 480. Does not satisfy General Education requirements. **Prerequisites:** PSYC 101, a minimum total of six semester hours in art or psychology. **Three hours per week.**

490. INDEPENDENT STUDY **1-3 hours credit**
Directed study in one or a combination of studio disciplines. Students furnish their own materials. May be repeated once under different subtitle, for a total of no more than six credits. **Prerequisites:** ART 390, approval of the department chair prior to registration.

498. SENIOR SEMINAR **3 hours credit**
Summary of the University art experience through active planning and execution of professionally oriented activities such as a group exhibit, professional portfolios, resumes and videotaped interviews. **Prerequisites:** Second semester junior or senior standing and completion of core. **Three hours per week.**

Biology (BIOL)

101. FUNDAMENTALS OF BIOLOGY **4 hours credit**
Introduces students to the principles inherent to life, with a broad overview of the cell, the organism and the community in which living things exist. **Three hours lecture, one two-hour laboratory per week.**

105. BIOLOGY AND SOCIETY **3 hours credit**
Introduces the non-biology major to the broad principles, fundamental ideas and new discoveries in biology that significantly affect the human being's present and future existence. Relates the study of biology to the pressing social and cultural issues of today. Does not satisfy requirements within the major. **Prerequisite:** BIOL 101. **Three one-hour lectures per week.**

115. SAFETY IN THE BIOLOGICAL, CHEMICAL AND CLINICAL LABORATORY **1 hour credit**
Review of laboratory safety. Summary of government laws and regulatory bodies and their effect on lab policy. Illustrations of proper procedures for laboratory hazards. Topics include chemicals, infectious microbes, animals, fire, electrical equipment, radiation, glassware and compressed gases. Training in the use of safety equipment and protective clothing and general first aid. Students may not receive credit for both BIOL 115 and MDTC 101. **One hour per week.**

121. BIOLOGICAL PRINCIPLES AND PROCESSES **4 hours credit**
Introduction to the study of biology, focusing on the diversity of the plant kingdom and its physiological, biochemical and cellular bases. Designed for students majoring in biology; a prerequisite for all upper-level biology courses **Three hours lecture, three hours laboratory per week.**

122. BIOLOGICAL PRINCIPLES AND PROCESSES **4 hours credit**
Introduction to the study of biology, relating the diversity of the animal kingdom to its genetic, evolutionary, physiological and environmental bases. Designed for students majoring in biology and other sciences; a prerequisite for all upper-level biology courses. **Three hours lecture, three hours laboratory per week.**

211. MICROBIOLOGY **4 hours credit**
Fundamental course in the study of microorganisms and their activity, with emphasis on bacteria. **Prerequisite:** BIOL 101 or 122 or 215. **Two hours lecture, four hours laboratory per week.**

215. HUMAN ANATOMY AND PHYSIOLOGY I **4 hours credit**
Comprehensive study of the structure and function of the human organism, including the integumentary, skeletal, muscle, nervous and endocrine systems. **Prerequisites:** BIOL 101 or 122 recommended. **Three hours lecture, three hours laboratory per week.**

216. HUMAN ANATOMY AND PHYSIOLOGY II **4 hours credit**
Comprehensive study of the structure and function of the human organism, including the circulatory, respiratory, digestive, urinary, immune and reproductive systems. **Prerequisite:** BIOL 101 or 122 or 215 recommended. **Three hours lecture, three hours laboratory per week.**

217. NUTRITION **3 hours credit**
Foundation in the science of nutrition, including biological and biochemical backgrounds for the understanding of nutritional requirements. Does not satisfy requirements within the major. **Prerequisite:** BIOL 101 or 121 or 122 or 215. **Three hours lecture per week.**

219. BIOLOGY OF HUMAN AGING **3 hours credit**
Study of the effects of aging on the structure and functioning of the human body. Integrates biological aging with other aspects of human existence. Includes discussions of diseases common among the elderly. May not be used to satisfy requirements within the biology major. Meets General Education IIIB (non-lab science). **Prerequisites:** BIOL 101 or both BIOL 215 and 216. **Three hours lecture per week.**

220. HUMANS AND THE ENVIRONMENT **4 hours credit**
Interdisciplinary course in conjunction with the departments of Chemistry and Geography and Regional Planning, designed for non-science majors to develop awareness of ways earth's environment is influenced by human activities and effects of the environment on human society. Cannot be repeated for credit in the Chemistry or Geography and Regional Planning departments and cannot be used to satisfy course requirements within the major. For students in the Honors Program. **Three hours lecture, two hours laboratory per week.**

225. ECOLOGY **4 hours credit**
Study of relationships of living organisms to their environment with emphasis on populations and ecosystems. Laboratory experiences focus on field studies and techniques. **Three hours lecture, three hours laboratory per week.**

250. ECONOMIC BOTANY **3 hours credit**
Study of the economic importance of plants, emphasizing the origin, domestication and usage of food and medicinal plants. Does not satisfy General Education III requirements. **Prerequisite:** BIOL 121. **Three hours lecture per week.**

301. HISTORY AND LITERATURE OF BIOLOGY **2 hours credit**
Introduction to the history and literature of biology. Special emphasis on the development of contemporary concepts and techniques of information retrieval. **Prerequisites:** BIOL 101, 225. **Two hours lecture per week.**

312. PLANT TAXONOMY **3 hours credit**
Classification of plants, with emphasis on the local flora. **Prerequisite:** BIOL 225. **Two hours lecture, three hours laboratory per week.**

313. COMPARATIVE ANATOMY **4 hours credit**
Study of vertebrate body structures, emphasizing the progressive and adaptive changes that occurred in evolution. **Prerequisite:** BIOL 225. **Three hours lecture, three hours laboratory per week.**

316. GENERAL ENTOMOLOGY **3 hours credit**
Study of the natural history, identification and life cycles of insects. Special reference to those species of medical and economic importance to people. **Prerequisite:** BIOL 225. **Two hours lecture, three hours laboratory per week.**

320. BIOLOGY OF THE VERTEBRATES **3 hours credit**
Study of vertebrate animal life, including evolution, behavior, reproduction, thermoregulation, migration and conservation.

Field trips emphasize wildlife biology, and identification and natural history of local species. **Prerequisite:** BIOL 225. **Two hours lecture, three hours laboratory per week.**

321. INVERTEBRATE ZOOLOGY **4 hours credit**
Study of animals without backbones emphasizing functional morphology and physiological adaptations. Laboratory sessions focus on investigation of living and preserved specimens. **Prerequisite:** BIOL 122. **Three hours lecture, three hours laboratory per week.**

322. PARASITOLOGY **3 hours credit**
Study of the important parasites of humans and domestic animals. **Prerequisite:** BIOL 122. **Two hours lecture, three hours laboratory per week.**

323. MEDICAL MICROBIOLOGY **4 hours credit**
Study of the medically important microorganisms, including methodology and techniques of identification. **Prerequisite:** BIOL 211. **Two hours lecture, four hours laboratory per week.**

324. PLANT MORPHOLOGY **3 hours credit**
Study of extinct and extant vascular plants, emphasizing evolutionary relationships, reproduction and vegetative organization. **Prerequisite:** BIOL 121. **Two hours lecture, three hours laboratory per week.**

325. PLANT ANATOMY **4 hours credit**
Study of gross and microscopic plant structure, with special emphasis on higher plants. **Prerequisite:** BIOL 121. **Three hours lecture, three hours laboratory per week.**

333. IMMUNOLOGY **4 hours credit**
Basic course dealing with the cellular and chemical aspects of immunity. Antigen-antibody reaction surveyed and its clinical laboratory implications thoroughly discussed. **Prerequisite:** BIOL 211. **Two hours lecture, four hours laboratory per week.**

334. PATHOPHYSIOLOGY **4 hours credit**
Study of the causes, bodily changes, signs and symptoms, and mechanisms involved in common and serious human diseases. **Prerequisites:** BIOL 215, 216. **Three hours lecture, two hours laboratory per week.**

350. CELL BIOLOGY **4 hours credit**
Study of the structure and function of cell surfaces, membranes, cytoplasm and organelles in both eucaryotic and procaryotic organisms. Cannot be taken for credit if student has credit for BIOL 275 or 375. **Prerequisites:** BIOL 121, 122; CHEM 121, 122, 221. **Three hours lecture, three hours laboratory per week.**

370. MOLECULAR GENETICS **3 hours credit**
Study of mechanisms of heredity emphasizing organization of the genome, mutation and regulation of gene expression. **Prerequisites:** BIOL 350. **Corequisite:** CHEM 221. **Three hours lecture per week.**

399. INTERNATIONAL FIELD STUDIES **3 hours credit**
Students experience a specific aspect of a biological discipline in a foreign country. Pre-tour lectures, post-tour discussion and other activities required. **Prerequisite:** Consent of instructor. **Fifteen hours pre-trip experience, at least 50 hours field activities over a minimum of 10 days, two-hour post-trip discussion session.**

401. WETLAND ECOLOGY **4 hours credit**
Study of relationships between environmental features and the structure and function of wetland types. Emphasizes hydrology, chemistry and plant species distribution and examines effects of disturbance on wetland ecosystems. **Prerequisite:** BIOL 225; BIOL 202: Marine Botany (UMES) strongly recommended. **Three hours lecture, three hours laboratory per week.**

405. ORNITHOLOGY **3 hours credit**
Study of birds. Topics include form and function, behavior and communication, reproduction, migration, ecology and conservation. Field trips emphasize identification and natural history of local species. **Prerequisite:** BIOL 225. **Three hours lecture per week.**

407. THE BIOLOGY OF FISHES **3 hours credit**
Study of evolution, anatomy, physiology, classification, ecology and behavior of the fishes. Addresses current research and future directions in ichthyology. **Prerequisites:** BIOL 122, 225. **Three hours lecture per week.**

410. ESTUARINE BIOLOGY **3 hours credit**
Study of estuarine biology with a focus on the Chesapeake Bay. Detailed discussion of the biota of the bay, its unique biology and current perturbations due to environmental pollution. Introduction to physical and chemical processes of estuaries. **Prerequisite:** BIOL 225 (BIOL 321 strongly recommended). **Two hours lecture, two hours laboratory per week.** *(available for graduate or undergraduate credit)*

411. VERTEBRATE EMBRYOLOGY **4 hours credit**
Comparative study of vertebrate embryology including evolutionary relationships and topics in molecular and developmental biology. **Prerequisites:** BIOL 122, 350. **Two hours lecture, four hours laboratory per week.**

412. ALGAE, FUNGI AND BRYOPHYTES **4 hours credit**
Study of the phylogenetic and ontogenetic development and ecological importance of non-vascular plants. **Prerequisites:** BIOL 121, 225. **Three hours lecture, three hours laboratory per week.**

413. HISTOTECHNIQUE **3 hours credit**
Preparation of tissues for microscopy. **Prerequisite:** BIOL 350. **One hour lecture, four hours laboratory per week.**

415, 416. RESEARCH IN BIOLOGY **3 hours credit each**
Independent student research under the supervision of a faculty member. BIOL 416 may not be used to satisfy requirements within the major. **Prerequisite:** Consent of instructor. **Schedule to be arranged individually.**

418, 419. BIOLOGY SEMINAR **1 hour credit each**
Discussions of timely topics in biology and related fields. Includes instruction in seminar preparation and requires student presentations and participation. BIOL 419 may not be used to satisfy course requirements within the major. **Prerequisite:** Junior standing or consent of instructor. **One hour per week.**

420. READINGS IN BIOLOGY **1-3 hours credit**
Readings designed to permit in-depth study of selected topics. Students submit written reports of their findings at the end of the semester. Specific topics are indicated on students' transcripts. **Prerequisites:** Sixteen hours in biology, consent of instructor.

422. VERTEBRATE PHYSIOLOGY **4 hours credit**
Study of the physiological mechanisms utilized by plants, with special reference to the higher phyla. **Prerequisites:** BIOL 122, CHEM 121. **Three hours lecture, three hours laboratory per week.**

430. PLANT PHYSIOLOGY **4 hours credit**
Advanced study of the physiological mechanisms utilized by plants with special reference to the higher phyla. **Prerequisite:** BIOL 121, CHEM 221. Organic Chemistry highly recommended. **Three hours lecture, three hours laboratory per week.**

440. CONTEMPORARY GENETICS **3 hours credit**
Advanced study of molecular genetic engineering processes. **Prerequisites:** BIOL 350, CHEM 221. **Three hours lecture per week.**

445. VIROLOGY **3 hours credit**
Study of structure, replication and pathogenesis of viruses with emphasis on animal viruses and the role of viruses in our current understanding of cell and molecular biology. **Prerequisite:** BIOL 350. **Three hours lecture per week.**

450. INTERNSHIP **1-6 hours credit**
Work experiences are arranged to provide students with an opportunity to use acquired biological knowledge in a professional way. **Prerequisites:** Senior standing, biology major and approval of department chair. **Two hours of work per week for each credit hour.** *(P/F)*

490. SPECIAL TOPICS IN BIOLOGY **1-4 hours credit**
Study of a specific area of biological science. Topic varies semester to semester. May be taken twice for credit under different subtitles. **Prerequisites:** Sixteen hours of biology, junior standing, approval of instructor.

499. HONORS **3 hours credit**
Independent study in an area of biology leading to an honors thesis. **Prerequisite:** Approval of department chair.

Business Administration (BUAD)

103. INTRODUCTION TO BUSINESS **3 hours credit**
Introduction to the internal and external environment of contemporary business. Topics include the nature of business and its operations and a survey of basic concepts, principles and practices. Provides a foundation for advanced study and assistance in making career decisions. Not open to students who are concurrently enrolled in, or have received academic credit for, any 300- or 400-level BUAD/ACCT/ISMN courses. **Three hours per week.**

104. PERSONAL FINANCE **3 hours credit**
Comprehensive survey of personal financial topics including budgeting; borrowing; savings and investments; life, health and casualty insurance; and home buying. Emphasis on lifetime economic cycle. Students who have credit for or are taking BUAD 311 will not receive credit for this course. **Three hours per week.**

248. LEGAL ENVIRONMENT **3 hours credit**
In-depth analysis of legal principles and their relationship to commerce. Topics include areas of torts, constitutional law, contracts and government regulation. **Three hours per week.**

281. INTERMEDIATE BUSINESS STATISTICS **3 hours credit**
Study of statistical technique applied to organizational decision-making. Topics include analysis of variance and experimental design, chi-square applications, regression and correlation analysis, time series analysis and index numbers. **Prerequisites:** MATH 160 and a grade of C or better in MATH 151. **Three hours per week.**

311. FINANCIAL MANAGEMENT I **3 hours credit**
Addresses fundamental concepts in financial management such as security markets, interest rates, taxes, risk analysis, time value of money, valuation models and related global issues. Explains how financial managers help maximize the value of a firm by making capital budgeting, cost of capital and capital structure decisions. **Prerequisites:** Junior status (60 or more credits); ACCT 202; BUAD 281; ECON 211, 212. **Three hours per week.**

312. RISK MANAGEMENT AND INSURANCE **3 hours credit**
Examines principles and practices of asset and income conservation for businesses and individuals through various risk-management techniques including insurance. **Prerequisite:** BUAD 311 or consent of instructor. **Three hours per week.**

320. MANAGEMENT AND ORGANIZATIONAL BEHAVIOR **3 hours credit**
Study of the general nature, behavior and functions of organization and management in business. Emphasis on planning, organizing, leading, motivating and controlling. **Prerequisite:** Junior status. **Three hours per week.**

322. LABOR-MANAGEMENT RELATIONS **3 hours credit**
Addresses such topics as the historical development of labor relations; the collective bargaining process; and critical issues related to wages, benefits, satisfaction and the rights of management, employees and union. **Prerequisite:** BUAD 320. **Three hours per week.**

326. PRODUCTION AND OPERATIONS MANAGEMENT **3 hours credit**
Study of productivity, quality control, cost-effectiveness and profitability of manufacturing and service organizations from the managerial perspective. Topics include product design, resource requirements and flow, facility layout, distribution system design, quality control, forecasting techniques and inventory policy. **Prerequisites:** Junior standing. **Three hours per week.**

330. PRINCIPLES OF MARKETING MANAGEMENT **3 hours credit**
Survey of basic marketing concepts and principles from a managerial perspective. Topics include the marketing concept, environment and demand analysis, marketing mix (product, price distribution and promotion) and an introduction to marketing strategy and international marketing. **Prerequisites:** Junior status, ECON 211 or 212. **Three hours per week.**

331. PROMOTION MANAGEMENT **3 hours credit**
Managerial overview of advertising and sales promotion as they relate to economic and social systems. Topics include promotional planning, research, media selection, creative implementation, retail, business/professional and consumer advertising. **Prerequisite:** BUAD 330. **Three hours per week.**

332. BUYER BEHAVIOR **3 hours credit**
Examination of the buyer (individual consumer and organizational agent) as problem solver. Topics include buying decision processes and social, psychological, anthropological and economic factors that influence behavior in the marketplace. Examines principles, theories, models and research techniques related to purchasing behavior. **Prerequisite:** BUAD 330. **Three hours per week.**

333. SALES MANAGEMENT I **3 hours credit**
Introduction to sales management and the personal selling component of marketing management. Emphasis on the selling process, the buyer-seller dyad, market analysis, formulation of sales strategies, the sales presentation, and account and territory management. **Prerequisite:** BUAD 330. **Three hours per week.**

334. PRINCIPLES OF RETAILING **3 hours credit**
Evaluation of retailing in our economy with emphasis on change in a dynamic environment. Topics such as structure, organization, merchandising, planning policy, inventory, pricing, record keeping, communication, personnel and location are reviewed, discussed and analyzed. **Prerequisite:** BUAD 330. **Three hours per week.**

338. SPECIAL BUSINESS TOPICS **3 hours credit**
Advanced study of varying business topics based on students' interests and needs. May be repeated once for credit under different subtitle. May substitute for a concentration elective depending on the topic (see director of undergraduate studies). **Prerequisite:** Varies by topic. **Three hours per week.**

345. PURCHASING AND MATERIALS MANAGEMENT **3 hours credit**
Examination of the procurement and materials management function of government and industry including planning, acquisition, storage, physical movement and control of materials. **Prerequisite:** BUAD 320, 330. **Three hours per week.**

348. BUSINESS LAW **3 hours credit**
Detailed expansion of Legal Environment (BUAD 248). Additional topics include business associations, partnerships, agencies, corporations, bankruptcy law, securities and accountants' liability. Stresses topics commonly found on the uniform CPA examinations. **Prerequisite:** BUAD 248. **Three hours per week.**

360. GOVERNMENT REGULATION OF BUSINESS **3 hours credit**
Business function under the regulatory bodies of all levels of government. Federal, state and local government requirements for business operations are covered as well as their effect on the economic operation of the enterprise. **Prerequisites:** ECON 211, 212. **Three hours per week.**

380. MANAGEMENT SCIENCE **3 hours credit**
Study of quantitative models for business decision making in a computer-assisted environment. Emphasis on converting typical business problems into mathematical formats. Topics include linear and integer programming, distribution models, inventory and production management, scheduling, queuing theory and business simulation. **Prerequisites:** MATH 151, 160; ISMN 111. **Three hours per week.**

385. BUSINESS IN ITS GLOBAL SETTING **3 hours credit**
Study of the international aspects of business management and its cultural, economic and political environment in its actual setting. Topics include the economics of international trade, socio-cultural environment, political risk and other major aspects of international business operations (e.g. finance, management, marketing, etc.). Part or all of the course will be held in another country. **Prerequisites:** BUAD 311, 320, 330 and/or permission of instructors. **Three hours per week.**

401. BUSINESS MARKETING **3 hours credit**
Study of concepts, techniques and problems in organizational marketing. Topics include organizational buying process, buyer-seller relationships, business market segmentation, market planning, sales forecasting and design of marketing mix strategies. Considers a variety of business marketing situations. **Prerequisite.** BUAD 330. **Three hours per week.**

420. BUSINESS AND SOCIETY **3 hours credit**
Focus on social problems facing business organizations. Equal rights, ecology, consumerism, quality of work life, government-business interface, economic instability, energy and other emerging social issues are examined. Students analyze these problems and develop approaches for dealing with them effectively and responsibly. **Prerequisites:** BUAD 320, 330. **Three hours per week.**

421. MANAGEMENT OF NONPROFIT ORGANIZATIONS **3 hours credit**
Analysis of all aspects of the management of nonprofit organizations. Emphasis on budget, procurement, regulations, the identification of goods and services, and the management of personnel. **Prerequisite:** BUAD 320. **Three hours per week.**

422. MANAGEMENT OF THE MULTINATIONAL BUSINESS **3 hours credit**
Provides students with an understanding of the unique features that characterize the multinational enterprise. Emphasis on the changing context in which business is conducted on a global basis. **Prerequisite:** BUAD 320. **Three hours per week.**

423. INTERNATIONAL MARKETING **3 hours credit**
Study of the decision-making process in marketing products and services across national boundaries. Examination of the design and modification of marketing strategies. Identification of potential markets with consideration of product, price, promotion and distribution decisions within the restraints of a particular cultural, economic and political setting. **Prerequisite:** BUAD 330. **Three hours per week.**

425. APPLIED ORGANIZATIONAL SCIENCE **3 hours credit**
Use of understandings about human behavior to motivate employees to work together in harmony. Topics include fundamentals of organizational behavior, leadership and its development, organizational environment and communications, and group processes. **Prerequisite:** BUAD 320. **Three hours per week.**

427. HUMAN RESOURCE MANAGEMENT **3 hours credit**
Management of human resource in organizations. Topics include recruiting, selecting, developing and compensating personnel; labor union relations; and development of personnel policy. **Prerequisite:** BUAD 320. **Three hours per week.**

428. ENTREPRENEURSHIP **3 hours credit**
Practical analysis of the viability of a business venture and development of a business plan to fund such a venture. Emphasis on reducing risk and uncertainty under competitive economic conditions. **Prerequisites:** BUAD 320, 330. **Three hours per week.**

429. SMALL BUSINESS CONSULTING **3 hours credit**
Study of methods and techniques for consulting with small and independent businesses. Students work with business owners under faculty supervision to study real problems of small business organizations and devise and recommend solutions. Successful completion of the experiential component of this course satisfies the ABLE requirement. **Prerequisites:** Senior status, BUAD 428, consent of instructor. **Three hours per week.**

430. MARKETING MANAGEMENT STRATEGY **3 hours credit**
Comprehensive managerial analysis of the marketing function. Emphasis on strategic planning and implementation and control of marketing mix activity. Students apply overall knowledge to analyze and propose solutions to marketing problems/opportunities. **Prerequisites:** Senior status, BUAD 330, six additional hours of marketing electives. **Three hours per week.**

433. SALES MANAGEMENT II **3 hours credit**
Advanced study of the personal selling component of marketing management. Emphasis on leading and managing sales personnel and the creation and administration of the sales program. **Prerequisite:** BUAD 333. **Three hours per week.**

438. MARKETING RESEARCH **3 hours credit**
Collection and analysis of marketing data viewed in context of identifying the market demand. Methods of decision making for marketing management. Topics include Bayesian decision theory, sampling techniques, and regression and correlation analysis. Successful completion of the experiential component of this course satisfies the ABLE requirement. **Prerequisites:** BUAD 281, 330. **Three hours per week.**

439. SENIOR MARKETING SEMINAR **3 hours credit**
Students address contemporary marketing issues and practice marketing management by using an experimental approach to assess the marketing plans and programs of marketing organizations. **Prerequisites:** Senior status, BUAD 430 or 438, consent of instructor. **Three hours per week.**

440. FINANCIAL MANAGEMENT II **3 hours credit**
Analysis of risk under conditions of uncertainty and the timing of financial policy. Use of the case method to focus on decisions and processes affecting the value of the firm. **Prerequisite:** C or better in BUAD 311. **Three hours per week.**

441. INVESTMENTS I **3 hours credit**
Principles of investing in financial securities with emphasis on valuation of stocks and bonds. Introductory coverage of efficient market hypotheses, portfolio theory, options and futures. **Prerequisites:** C or better in BUAD 311. **Three hours per week.**

442. INVESTMENTS AND SECURITY ANALYSIS II **3 hours credit**
Advanced techniques in options, security analysis, portfolio theory and futures. **Prerequisite:** BUAD 441. **Three hours per week.**

443. ESSENTIALS OF REAL ESTATE **3 hours credit**
Analysis of the structure of real estate markets. Study of consumption of and investment in real estate and valuation of real estate assets. Successful completion of the experiential component of this course satisfies the ABLE requirement. **Prerequisite:** C or better in BUAD 311. **Three hours per week.**

445. FINANCIAL INSTITUTIONS AND MARKETS **3 hours credit**
Examines the structure and functions of depository and non-depository financial institutions, the money and capital markets, and the role of government in the financial markets. **Prerequisite:** C or better in BUAD 311. **Three hours per week.**

447. INTERNATIONAL FINANCIAL MANAGEMENT **3 hours credit**
Analysis of the foreign exchange markets, exchange rate behavior and risk management, international trade financing, country risk analysis, international banking and the role of direct foreign investment. **Prerequisite:** C or better in BUAD 311. **Three hours per week.**

460. MANAGERIAL DECISION SUPPORT SYSTEMS **3 hours credit**
Analysis of rational management decision making under conditions of risk and uncertainty. Emphasis on the analysis of problems with multiple, conflicting objectives in industry and government. **Prerequisites:** BUAD 311, 320. **Three hours per week.**

490. BUSINESS INTERNSHIP **3 hours credit**
Intern experience in business or government. May be used as a business concentration/track elective if approved by the school dean. **Prerequisites:** Junior or senior status; business, accounting, management information systems or economics major; placement and approval by the ABLE program director. (*P/F*)

491. ADVANCED BUSINESS INTERNSHIP **3 hours credit**
Research associated with an internship experience in business or government. **Prerequisites:** BUAD 490 (prereq/coreq), approval of the ABLE program director. *(P/F)*

492. STRATEGIC MANAGEMENT **3 hours credit**
Seminar in strategic business decision making. Emphasizes evaluating and integrating appropriate marketing, financial and management information. **Prerequisites:** BUAD 311, 320, 330; business/accounting/management information systems major in their last semester before graduation. **Three hours per week.**

494. DIRECTED STUDY IN BUSINESS/ ACCOUNTING/ISMN **1-3 hours credit**
For students who desire to do research or pursue a special topic in business administration. **Prerequisites:** Junior/senior status, consent of instructor prior to registration.

Chemistry (CHEM)

100. INTRODUCTION TO CHEMISTRY **3 hours credit**
Study of the fundamentals of chemistry with emphasis on the development of reasoning and quantitative skills necessary for problem solving. Students with little or no previous algebra/chemistry may wish to take this course prior to CHEM 121. Does not satisfy General Education or chemistry major requirements. **Three hours per week.**

107. CHEMISTRY: A HUMANISTIC PERSPECTIVE **4 hours credit**
Study of the development of chemistry and the impact of chemistry on our world. Chemical principles and concepts are used to understand applications of chemistry to our everyday lives. May not be used to satisfy course requirements within the chemistry major. General Education credit. **Three hours lecture, one two-hour laboratory per week.**

109. ENERGY AND THE ENVIRONMENT **4 hours credit**
Study of the interaction of physical science and the environment, providing students not majoring in science an understanding of the scientific principles in our technological society. Does not satisfy course requirements of the chemistry major. General Education IIIA credit. **Three hours lecture, one three-hour laboratory per week.**

121. GENERAL CHEMISTRY I **4 hours credit**
Study of fundamental laws of chemistry and atomic structure emphasizing quantitative relationships. General Education credit. **Prerequisite:** High school algebra/equivalent. **Three hours lecture, one three-hour laboratory per week.**

122. GENERAL CHEMISTRY II **4 hours credit**
Continuation of CHEM 121, including chemical equilibrium, electrochemistry, organic chemistry and nuclear chemistry. General Education credit. **Prerequisite:** CHEM 121. **Three hours lecture, one three-hour laboratory per week.**

207. LABORATORY SAFETY **1 hour credit**
Development of skills and attitudes for working with chemicals in a confident and responsible way. Emphasis on safety precautions and emergency procedures in case of a chemical accident. **Prerequisite:** CHEM 122, CPR certification (prereq/coreq). **One hour per week.**

212. CHEMISTRY OF THE ELEMENTS **2 hours credit**
Introduction to the properties and reactivities of the elements and their compounds. Emphasis on interpreting trends of the periodic table to predict physiological behavior. **Prerequisite:** CHEM 122. **Two hours per week.**

220. HUMANS AND THE ENVIRONMENT **4 hours credit**
Interdisciplinary laboratory course in conjunction with the departments of Biology and Geography and Regional Planning, designed for non-science majors to develop awareness of ways earth's environment is influenced by human activities and effects of the environment on human society. Cannot be repeated for credit in the Biology or Geography and Regional Planning departments within the major. For students in the Honors Program. **Three hours lecture, two hours laboratory per week.**

221. ORGANIC CHEMISTRY I **4 hours credit**
Systematic study of the compounds of carbon including their organization, preparation and typical reactions. Classes of compounds studied include aliphatic hydrocarbons, aromatic hydrocarbons. **Prerequisite:** CHEM 122. **Three hours lecture, one three hour laboratory per week.**

222. ORGANIC CHEMISTRY II **4 hours credit**
Continued study of carbon compounds including acid derivatives, aldehydes, ketones, amines and phenols. Emphasis on the mechanism and stereochemistry of organic reactions. **Prerequisite:** Chem 221. **Three hours lecture, one three-hour laboratory per week.**

311. SURVEY OF PHYSICAL CHEMISTRY **3 hours credit**
Survey of physical chemistry and its application to biological systems. Designed for students wishing to complete the chemistry/biochemistry track. **Prerequisite:** MATH 202, PHYS 223. **Three hours per week.**

321. ANALYTICAL CHEMISTRY **4 hours credit**
Study of the theory and applications of classical and modern analytical techniques. Includes gravimetric, volumetric, potentiometric, spectrophotometric and chromatographic methods. **Prerequisite:** CHEM 122. **Three one-hour lectures, one three-hour laboratory per week.**

331. INSTRUMENTAL ANALYSIS **4 hours credit**
Study of the theoretical and practical aspects of modern instrumental analysis. Topics include information processing, spectroscopic, chromatographic and electrochemical methods. **Prerequisites:** CHEM 321. **Two hours lecture, two three-hour laboratories per week.**

341, 342. PHYSICAL CHEMISTRY I, II **3 hours credit each**
Comprehensive study of the fundamental concepts of physical chemistry. **Prerequisites:** MATH 201, 202, PHYS 309 and CHEM 122 or consent of instructor. **Three hours lecture per week.**

406. INORGANIC CHEMISTRY **3 hours credit**
Study of the theoretical concepts of inorganic chemistry with focus on the relationship between structure, bonding and reactivity. Emphasis on the chemistry of transition metals. **Prerequisite:** CHEM 342. **Three hours per week.**

408. POLYMER CHEMISTRY **3 hours credit**
Study of the fundamental concepts of polymer chemistry with emphasis on structure, stereochemistry, synthesis and properties. **Prerequisites:** CHEM 222, 342. **Three hours per week.**

409. ELECTROCHEMISTRY **3 hours credit**
Study of the theory and applications of modern electrochemistry. Topics include a review of electrochemical cells, ion-selective electrodes, electrophoresis, polarography, cyclic voltammetry, corrosion processes and impedance measurements. **Prerequisite:** CHEM 331. **Three hours per week.**

410. CHEMICAL RESEARCH **3 hours credit**
Individual undergraduate research on approved subject under supervision of a member of the staff. Written report, seminar presentation required. May be taken twice for credit. **Prerequisites.** Twenty-four hours of chemistry and 3.25 GPA or consent of instructor. **Six hours laboratory per week, conference with the instructor.**

412. ORGANIC CHEMISTRY III **3 hours credit**
Continued study of carbon compounds including aryl halides, heterocyclic, polynuclear aromatic, unsaturated carbonyl and the organic compounds of sulfur and phosphorus. Emphasis on reaction mechanism and the interaction of functional groups. **Prerequisite:** CHEM 222. **Three hours lecture per week.**

413. INTERNSHIP/CO-OP IN CHEMISTRY **3 hours credit**
Work experience designed to provide qualified students opportunities to use acquired chemical knowledge in a professional way. Written report, seminar presentation required. **Prerequisites:** Twenty-four hours of chemistry, consent of instructor. **Six hours work per week, conference with supervisor.**

414. SEMINAR I **1 hour credit**
Introduces chemistry majors to the literature of the field and to writing styles used in presenting information to the scientific community. Focuses on analysis of current articles and critiques of guest speakers' oral presentations. **Prerequisite:** Twenty-four hours of chemistry. **One hour per week.**

415. SEMINAR II **1 hour credit**
Builds skills in listening and in discussing topics of current interest in chemistry. Emphasis on oral presentations based on the literature of the field. **Prerequisite:** CHEM 414. **One hour per week.**

417. BIOCHEMISTRY I **4 hours credit**
Application of chemical principles to biological systems through study of the properties, analysis, functioning and relationship of proteins, carbohydrates, lipids and nucleic acids. May not be taken for credit if student has credit for CHEM 407. **Prerequisite**: CHEM 222 or consent of instructor. **Three hours lecture, three laboratory per week.**

418. BIOCHEMISTRY II **3 credit hours**
Study of the intermediary metabolism of biomolecules and the biochemistry underlying the expression of information contained in DNA in the synthesis of biomolecules. **Prerequisite:** CHEM 417. **Three hours per week.**

419. BIOCHEMICAL METHODS **3 credit hours**
Laboratory based exploration of biochemical techniques commonly used in industrial and academic laboratories. Demonstrates the relationship between structure and function of biomolecules. **Prerequisite/corequisite:** CHEM 418. **Six hours per week.**

423. EXPERIMENTAL PHYSICAL CHEMISTRY I **2 hours credit**
Laboratory and report-writing course emphasizing classical experiments in physical chemistry. **Prerequisite/corequisite:** CHEM 342. **Two hours lecture, two hours laboratory per week.**

424. EXPERIMENTAL PHYSICAL CHEMISTRY II **2 hours credit**
Laboratory-based course emphasizing the theory and applications of modern instrumental methods. **Prerequisite/corequisite:** CHEM 423. **Two hours lecture, two hours laboratory per week.** *(in spring of even numbered years)*

499. SPECIAL TOPICS IN CHEMISTRY **3 hours credit**
Study of a specific area of chemistry. Topic varies semester to semester. May be taken twice for credit. **Three hour lecture per week/laboratory-lecture equivalent.**

Communication Arts (CMAT)

100. FUNDAMENTALS OF COMMUNICATION **3 hours credit**
Foundations of communication theory and practice relevant to interpersonal and public oral communication. Includes experiences in interviewing, group discussions and public speaking. May not be taken for credit if student has credit for CMAT 250 or 260. **Three hours per week.**

105. LISTENING: PROCESSES AND BEHAVIOR **3 hours credit**
The place and value of listening in communication. Awareness of the importance of listening and the kinds of aural experiences that make for better understanding. **Three hours per week.**

110. INTRODUCTION TO MASS MEDIA **3 hours credit**
Theory, history, structure and functions of mass media (print, film, recording, radio, television, multimedia). **Three hours per week.**

120. INTRODUCTION TO THEATRE **3 hours credit**
Introduction to theatre as a unified art with emphasis upon the literary and social significance of theatre in our society. **Three hours per week.**

121. STAGECRAFT **3 hours credit**
Practical experience in technical theatre and television including set design, construction and lighting. **Two hours lecture, one hour laboratory per week.**

122. PERFORMING **3 hours credit**
Introduction to performing in various media including theatre, TV and film; emphasis on movement and silent expressions as ways of communicating. **Three hours per week.**

125. THEATRE PRACTICUM **1-2 hours credit**
Provides supervised experience in theatre production and performance. May be repeated for a total of eight credit hours. **Prerequisite:** Permission of the instructor. (*P/F*)

131. WRITING FOR BROADCASTING **3 hours credit**
Fundamentals of writing for broadcasting, including basic script formats and basic forms such as public service announcements, continuity, news and dramas. **Prerequisite:** C or better in ENGL 101. **Three hours per week.**

134. RADIO PRODUCTION **3 hours credit**
Study and practice of all phases of radio production and equipment operation; includes legal and professional requirements for radio broadcasters. **Prerequisite:** CMAT 131. **Four hours per week.**

136. TELEVISION PRODUCTION **3 hours credit**
Introduction to the equipment and techniques of television production. Operation of television studio production equipment; processes and procedures of producing and directing. **Prerequisite:** CMAT 131. **Four hours per week.**

200. THEORIES OF HUMAN COMMUNICATION **3 hours credit**
Introductory study of selected theories from several disciplines including rhetoric, interpersonal communication linguistics, semiotics and cybernetics. **Prerequisites:** Six hours CMAT courses. **Three hours per week.**

201. ELEMENTS OF VOICE AND DICTION **3 hours credit**
Study of the fundamentals of voice production and articulation. Designed to establish good habits of speech through analysis of each student's voice, articulation and pronunciation, with directed exercises for improvement. **Three hours per week.**

205. INTERPERSONAL COMMUNICATION **3 hours credit**
Study of the factors that motivate and determine communication or non-communication among individuals, of the psychological barriers and inducements to open communication and of the effects of these factors upon the people involved. **Three hours per week.**

218. ADVANCED PUBLIC SPEAKING **3 hours credit**
Designed to improve exposure and practice in the preparation and presentation of messages. Emphasizes the nature, methods and principles of public address including persuasive, informative and special occasion presentations. **Prerequisite:** CMAT 100. **Three hours per week.**

220. HISTORY OF THE THEATRE **3 hours credit**
Survey of theatre history, dramatic theory, plays and playwrights, production practices and performance styles, emphasizing their relationship to the development of world civilization as both product of and mirror to changing values, tastes, attitudes and customs. **Three hours per week.**

223. MAKEUP FOR STAGE AND TELEVISION **3 hours credit**
Practical survey of techniques in the application of theatrical makeup for performance on stage as well as television and film. Recommended for all performers. **One hour lecture, one two-hour laboratory per week and required practical application in productions.**

224. ACTING **3 hours credit**
Study of the theory and basic principles of the creative processes of acting with an emphasis on physical, mental and emotional process in the building of a dramatic character. **Three hours per week.**

236. ELECTRONIC FIELD PRODUCTION **3 hours credit**
Study of the production of television and film programs using single camera and editing techniques. **Prerequisites:** CMAT 136. **Four hours per week.**

239. RADIO AND TELEVISION PRACTICUM **2 hours credit**
Supervised experiences in radio and television production and performance. May be repeated once. Credits may be earned in several areas. **Prerequisites:** CMAT 136 and 236 (for television) or 134 (for radio). **Four hours per week.**

246. JOURNALISM **3 hours credit**
Introduction to newspaper reporting and journalistic writing; the practical problems of publishing a newspaper. **Prerequisite:** ENGL 101. **Three hours lecture, two hours laboratory per week.**

247. NEWS WRITING **3 hours credit**
Preliminary training in two basic journalistic skills: reporting and news writing. **Prerequisite:** C or better in ENGL 101. **Three hours lecture per week.**

250. INSTRUCTIONAL COMMUNICATION **3 hours credit**
Study of the communicative factors involved in the teaching-learning process. Students have an opportunity to explore the communication concepts applicable to classroom instruction, as well as to develop the communication skills essential in teaching groups of students. May not earn credit if student has credit for CMAT 100 or 260. **Three hours per week.**

260. FUNDAMENTALS OF ORGANIZATIONAL COMMUNICATION **3 hours credit**
Study of human communication systems in organizations. Students explore one-to-one, small group and one-to-many communication, and develop the skills needed in organizational communication. May not earn credit if student has credit for CMAT 100 or 250. **Three hours per week.**

300. INTERCULTURAL COMMUNICATION **3 hours credit**
Study of correctable communication problems caused by cultural differences. Analysis of problems from communication and cultural perspectives. Emphasis on ways to avoid and correct such problems. Does not satisfy General Education requirements. **Prerequisites:** CMAT 100, 200, 205 or consent of instructor. **Three hours per week.**

305. INTERPERSONAL COMMUNICATION II **3 hours credit**
Extension of CMAT 205. A laboratory approach to the study of communicating in relationships. Exercises and assignments assist students in examining how they talk to others and form partnerships. **Prerequisite:** CMAT 205. **Three hours per week.**

306. CONVERSATIONAL ANALYSIS **3 hours credit**
Study of conversational goals and strategies. Focus on recognizing and understanding role of specific features (i.e. pronouns, sentence structure) in interpersonal contexts; individual communicative strategies and their effects on conversational patterns. Readings, data analyses, two or three exams. **Prerequisite:** CMAT 205. **Three hours per week.**

308. INTERVIEWING **3 hours credit**
Investigates interviewing situations based on giving and/or getting information and influencing the behavior of others through persuasion. Includes exercises demonstrating most commonly used forms of the interview. **Prerequisite:** CMAT 100, 205, 250 or 260. **Three hours per week.**

310. SMALL GROUP DISCUSSION **3 hours credit**
Participation in and analysis of small group discussion. Emphasizes communication within the small group setting and effective group decision making. **Prerequisite:** CMAT 100 or 205. **Three hours per week.**

312. NONVERBAL COMMUNICATION **3 hours credit**
Study of human communicative behavior without the use of words. Ways of sending and receiving nonverbal messages are examined with the goal of awareness and understanding of their communicative value. **Prerequisite:** CMAT 100 or 205. **Three hours per week.**

315. PERSUASION **3 hours credit**
Historical and critical study of persuasive forms and techniques including propaganda and advertising. Study of theory and ethics of persuasion. Practice in persuasive communication. **Prerequisite:** CMAT 100. **Three hours per week.**

316. ARGUMENTATION AND DEBATE **3 hours credit**
Study of the basic principles of argumentation, rational decision making and advocacy. Concepts include logical reasoning, analysis and critical thinking. Practice in the presentation and application of these principles. **Prerequisite:** CMAT 100. **Three hours per week.**

320. ENVIRONMENTAL THEMES IN THEATRE **3 hours credit**
Focus on questions of theme, dramatic action, character, comedy, tragedy, dramatic metaphors and style in plays which dramatize environmental issues. Reflection on differing views of nature and themes of materialism, exploitation and deception. **Prerequisite:** CMAT 120. **Three hours per week.**

321. ADVANCED STAGECRAFT **3 hours credit**
Advanced study of technical production, the organization, drafting and construction of scenery; covers period styles, scene painting, sculptured scenery and period details. **Prerequisites:** CMAT 121 and 220 or written consent of instructor. **Two hours lecture, two one-hour laboratories per week.**

322. ARTS ADMINISTRATION **3 hours credit**
Introduction to administrative skills for fine and performing arts: programming, budget, public relations, audience development, fund raising and case studies of arts organizations. **Prerequisite:** Department chair approval. **Three hours per week.**

323. COSTUME DESIGN **3 hours credit**
Emphasis on the concept of costume design as it relates to character analysis. The student translates the interpretation of character(s) into functional costume renderings. Professionally oriented; for those interested in producing high school or community theatre. **Prerequisites:** CMAT 220 or written consent of instructor. **Three hours per week.**

324. DIRECTING **3 hours credit**
Study of the theory and basic principles, skills and techniques underlying direction. Student-directed theatre production required. **Prerequisite:** Consent of instructor. **Three hours per week.**

325. ORAL INTERPRETATION **3 hours credit**
An approach to the study of literature through the medium of oral performance. May be counted as an English elective for students majoring in English. **Three hours per week.**

326. ACTORS' WORKSHOP **3 hours credit**
Provides experience training for intermediate and advanced acting through the exploration of improvisational techniques, character analysis, scene work and exercises in acting style. **Prerequisite:** CMAT 224.

327. READERS' THEATRE **3 hours credit**
Covers the philosophy and uses of Reader's Theatre. Emphasis on the analysis, adaptation and staging of non-dramatic literature within the context of this art form. Lecture/workshop format will be employed. **Prerequisite:** CMAT 224 or consent of instructor. **Three hours per week.**

328. SCENE DESIGN **3 hours credit**
The perception and execution of scenic designs through intellectual analysis of selected scripts. The student completes several projects in creative designs. Professionally oriented; for those interested in producing high school or community theatre. **Prerequisites:** CMAT 121 and 220 or written consent of instructor. **Three hours per week.**

329. STAGE LIGHTING **3 hours credit**
Design and technology of theatre lighting. Demonstration of creativity through assigned projects. **Prerequisites:** CMAT 121 and 220 or written consent of instructor. **Three hours per week.**

330. BROADCAST JOURNALISM **3 hours credit**
Principles, forms and techniques of broadcast journalism. Practicum in broadcast news writing, editing, processing and delivery. **Prerequisites:** CMAT 246 or consent of instructor. **Three hours per week.**

331. DRAMATIC WRITING FOR RADIO AND TELEVISION **3 hours credit**
Instruction in the elements of drama, broadcast writing techniques, forms and styles. Assignments include creating scripts for such broadcast genres as public service announcements, docudramas and comedies. **Prerequisite:** Consent of instructor. **Three hours per week.**

332. MEDIA CRITICISM AND ANALYSIS **3 hours credit**
Development of critical viewing skills through analysis of program conventions, genres and media aesthetics, and through intensive writing. **Prerequisite:** CMAT 334 or consent of instructor. **Three hours per week.**

334. THE MASS MEDIA IN SOCIETY **3 hours credit**
Critical study of the persuasive elements generated through the mass media, and the resulting influence the media exert upon society. **Prerequisite:** CMAT 110. **Three hours per week.**

336. ADVANCED TELEVISION PRODUCTION **3 hours credit**
Application to advanced television production of principles and processes learned in earlier production classes. Creation of programming for campus cable. **Prerequisites:** CMAT 136, 236. **Four hours per week.**

338. ISSUES IN BROADCAST MANAGEMENT **3 hours credit**
Students confront some of the problems faced by contemporary broadcast managers and seek to determine viable solutions. Topics include economics, personal relations, programming, organization, production, advertising and business, community relations and Federal Communications Commission rules and regulations. **Prerequisite:** CMAT 334 or consent of instructor. **Three hours per week.**

341. FEATURE WRITING **3 hours credit**
Principles of research, organization and style for newspaper feature articles. Writing articles for possible submission to selected journals and newspapers. **Prerequisite:** CMAT 246 or consent of instructor. **Three hours per week.**

365. MANAGERIAL COMMUNICATION **3 hours credit**
Study of the role of the manager as a communicator at various organizational levels. Students study various communication strategies available to managers. Topics include information processing; presenting, receiving and gathering information; goal setting; decision making and change. **Prerequisite:** CMAT 260. **Three hours per week.**

390. STUDIES IN COMMUNICATION **3 hours credit**
Study in speech education, mass media, theatre, oral interpretation, speech pathologies, or rhetoric and public address. May be repeated under different subtitles recorded with the registrar. **Three hours per week.**

400. COMMUNICATION AND CULTURE **3 hours credit**
Philosophy and theories of human communication: structures, relations and interactions among forms of communication within their cultural settings. **Prerequisite:** Junior standing. **Three hours lecture.**

405. FAMILY COMMUNICATION **3 hours credit**
Characterization of family styles of communication as they reflect values, attitudes and perceptions of family members as a group. Examination of effects of individual communication strategies on development of family patterns of interaction. Selected readings, field research, two exams. **Prerequisites:** CMAT 205, sophomore standing. **Three hours per week.**

422. INTERNSHIP IN ARTS ADMINISTRATION **6-12 hours credit**
Training in local, regional or national arts organizations; selected areas of programming, budget, fund raising, audience development and public relations. May be taken once. **Prerequisites:** ART 322, department chair approval. **Twenty to 40 hours per week.** *(P/F)*

424. PLAYWRITING **3 hours credit**
Study of the theory and practice of playwriting. Topics include exposition, language, structure and character. Plays to be written and produced in staged readings of workshops. **Prerequisites:** CMAT 120, permission of instructor. **Three hours per week.**

438. MASS COMMUNICATION LAW **3 hours credit**
Consideration of the legal and regulatory context of mass communication. Topics include constitutional, first amendment and statutory issues and the study of regulatory agencies and processes. **Prerequisite:** CMAT 334 or consent of instructor. **Three hours per week.**

443. PUBLIC RELATIONS **3 hours credit**
Principles and techniques of professional public relations practice. Publicity writing, speeches, graphics, audiovisual media, public relations research and program planning. **Prerequisite:** CMAT 246 or consent of instructor. **Three hours per week.**

453. CREATIVE DRAMATICS **3 hours credit**
Emphasis on the manner in which creative dramatics assists in the growth of the child. Considers creative dramatics as a motivating factor in the teaching and learning process. **Three hours per week.**

456. TECHNIQUES OF CHILDREN'S THEATRE **3 hours credit**
Assists the elementary school teacher in developing the imagination of children through the medium of theatre. Emphasis on staging children's theatre within the framework of the public school. **Three hours per week.**

460. APPLIED ORGANIZATIONAL COMMUNICATION **3 hours credit**
Examines the process of communication from the perspective of the whole organization and studies various structures in business, education, the arts, etc. in order to analyze and improve communication. **Prerequisite:** CMAT 200. **Three hours per week.**

465. COMMUNICATION TECHNOLOGY **3 hours credit**
Examines innovations in communication techniques and applications. Topics include satellite and terrestrial based technology, conferencing, decision support systems, computer mediated communication and the impact of technology on the communication process and communicators. **Prerequisites:** CMAT 110, 200. **Three hours per week.**

490. SPECIAL TOPICS IN COMMUNICATION **1-3 hours credit**
Intensive study of a selected topic in speech, communication studies or theatre. May be repeated under different subtitles recorded with the registrar.

492. INDEPENDENT STUDY **1-3 hours credit**
Student must choose a topic for investigation with the advice of an instructor prior to registration. Variable credit; may be taken twice. **Hours arranged.**

495. INTERNSHIP IN COMMUNICATION **3-6 hours credit**
Provides practical experience in the application of theoretical concepts including broadcasting, theatre, journalism, organizational communication, public relations, training, etc. Only three hours may be counted toward upper-level major requirements. May be taken twice for a total of six credit hours. **Prerequisites:** Junior standing, written permission of the department. **Three to six hours per week.**

499. HONORS **3 hours credit**
Independent study undertaken for departmental honors at the invitation of the department.

Computer Science (COSC)

110. INTRODUCTION TO COMPUTER SYSTEMS **3 hours credit**
Study of what a computer (system) is, how it works and how it can be used to solve problems and to help make decisions. Includes study of hardware, software, evolution of computers, impact on society and database management systems. Does not satisfy General Education IIIB. **Corequisite:** COSC 112 (recommended for non-business majors) or ISMN 111 (required for business students). **Three hours per week.**

112. MICROCOMPUTER USE **1 hour credit**
Hands-on lab course. Familiarizes student with applications software packages: word processing and other non-business-oriented applications packages (such as desktop publishing, computer-aided design, statistics packages). Recommended for non-business majors. Credit may not be earned for both COSC 112 and ISMN 111. **Corequisite:** COSC 110. **Two hours per week.**

115. FOUNDATIONS OF COMPUTER SCIENCE **3 hours credit**
Study of the fundamentals of computer science, focusing on theories underlying modern computing. Topics include essentials of algorithm, development, how a computer works and limitations of computers. Acceptable for General Education IIIB. **Three hours per week.**

120. COMPUTER PROGRAMMING **4 hours credit**
Step-by-step approach to problem solving and programming. Prerequisite for future study in computer science. **Four hours per week.**

220. ALGORITHM ANALYSIS AND DATA STRUCTURES **4 hours credit**
Object-oriented approach to design and implementation of large software projects. Emphasizes design tradeoffs based on analysis of run time and storage requirements. **Prerequisite:** COSC 120. **Four hours per week.**

250. MICROCOMPUTER ORGANIZATION **3 hours credit**
The organization and internal behavior of a typical microcomputer. Emphasis on hardware components in a computer system. **Prerequisite:** COSC 110 or 120. **Three hours per week.**

290. INTERNSHIP **3 hours credit**
Student works under a supervisor in a local firm or public institution in conjunction with an advisor from the department. May be taken twice. **Prerequisite:** Approval of the chair. *(P/F)*

303. SCIENTIFIC COMPUTING **3 hours credit**
Introduction to scientific computing. Exploration of theoretical and experimental problems and their computer-oriented solutions. Introduction of various tool including spreadsheets, mathematical software (e.g. MAPLE), numerical methods and programming languages. Credit may not be received for more than one: COSC/MATH/PHYS 303. **Prerequisites:** COSC 120, MATH 202, PHYS 121 or higher. **Three hours per week.**

350. SYSTEMS SOFTWARE **3 hours credit**
Systems software development and implementation using low-level languages. **Prerequisites:** COSC 220, knowledge of the internal behavior of computers (COSC 250). **Three hours per week.**

390. UNDERGRADUATE RESEARCH PROJECT **1-3 hours credit**
Offers study of some area of computer science in more depth than is possible in the usual classroom setting. Students work on projects under the direction of faculty members. **Prerequisite:** Department approval. *(P/F)*

422. ORGANIZATION OF PROGRAMMING LANGUAGES **3 hours credit**
Organization of programming languages, with emphasis on their formal specifications and on the run-time behavior of programs. **Prerequisite:** COSC 350. **Three hours per week.**

425. SOFTWARE ENGINEERING **3 hours credit**
Study of the software life cycle, with emphasis on software system methodologies. **Prerequisite:** COSC 220. **Three hours per week.**

450. OPERATING SYSTEMS **3 hours credit**
Analysis of the operating system, the program which supervises the activity of the computer. Resource allocation emphasized. **Prerequisite:** COSC 350. **Three hours per week.**

456. COMPUTER ARCHITECTURE **3 hours credit**
Advanced study of computer systems which includes addressing modes, parallelism, pipeline processing, memory management, control designs and I/O interrupts. Various architectures compared and contrasted. **Prerequisite:** COSC 250. **Three hours per week.**

482. COMPUTER GRAPHICS **3 hours credit**
Generating and manipulating graphic information using the computer. Emphasis on the analysis of fundamental problems associated with these activities and on the structured design of solutions. **Prerequisites:** COSC 120; MATH 306 or both MATH 110 and 118. **Three hours per week.**

490. SPECIAL TOPICS **3 hours credit**
Seminar course with content that varies semester to semester (e.g., artificial intelligence, compiler construction or other topics suggested by faculty or students). May be taken twice under different titles recorded by the registrar. **Prerequisite:** (for most topics) COSC 350. **Three hours per week.**

Dance (DANC)

160. INTRODUCTION TO DANCE/MOVEMENT **1 hour credit**
Introduces broad principles of dance/movement, rhythmic/step analysis, notation and Laban movement analysis through traditional and cultural dance forms. Emphasizes physical experience as the source of dance through exploration, improvisation and creative problem-solving. No experience required. Satisfies General Education IB. **Two hours per week.**

162. CREATIVE MODERN DANCE I **2 hours credit**
Introduces a biomechanical approach to movement and basic principles and techniques for modern dance as a creative art form. Satisfies General Education IB. **Three hours per week.**

167. BALLET I **2 hours credit**
Introduction and application of the fundamentals of ballet technique as highly disciplined dance form. Focus on flexibility, precision, strength, musicality and on appreciation of the inherent beauty of form. Satisfies General Education IB. **Three hours per week.**

168. JAZZ DANCE **2 hours credit**
Study of jazz dance including a working knowledge of the music, the period and the movement techniques used. May be taken as one of the required technique classes. Satisfies General Education IB. **Three hours per week.** *(spring semester only)*

202. DANCE APPRECIATION **3 hours credit**
Historical survey of dance styles and forms provides perspective for understanding and appreciating dance. Emphasizes innovation and cultural diversity of 20th century dance. Satisfies General Education IB. **Three hours per week.**

262. CREATIVE MODERN DANCE II **2 hours credit**
Continues DANC 162. Emphasizes intermediate level principles and techniques for modern dance as a creative art form through the Hawkins style. Satisfies General Education IB. **Three hours per week.**

267. BALLET II **2 hours credit**
Application of principles of ballet dance technique and vocabulary beyond the beginning level. Satisfies General Education IB. **Prerequisite:** PHEC 167 or equivalent. **Three hours per week.**

323. DANCE EXPERIENCE **1-3 hours credit**
Opportunity for students to nurture creative abilities and to develop a working knowledge of dance production and administration through supervised experiences. May be repeated for a total of eight credit hours. Satisfies General Education IB. **Prerequisite:** Permission of instructor.

360. DANCE TEACHING **2 hours credit**
Focuses on methods for teaching dance as a medium for classroom learning and creative expression. Explores theories for cultural and creative dance through lesson planning and

practice teaching. Applies culturally diverse resources to materials and activities. Open to all prospective teachers. **Prerequisite/corequisite:** DANC 160. **Three hours per week.**

490. SELECTED TOPICS **1-3 hours credit**
Intensive study of selected topics in dance. May be repeated for a maximum of six credits under different subtitles. **Prerequisite:** DANC 160 and 162 or consent of instructor.

Economics (ECON)

211. MICRO-ECONOMIC PRINCIPLES **3 hours credit**
Introduction to the behavior of individual business enterprises and factors that shape their competitive environment. Strengths and weaknesses of the private enterprise system are examined through studies of issues such as farm policy, pollution, antitrust policies, and tariffs and quotas on imports. Not open to freshmen. **Three hours per week.**

212. MACRO-ECONOMIC PRINCIPLES **3 hours credit**
Explores forces behind consumer purchases, businesses, capital spending and the balance of payments and their relationship to unemployment, inflation and the value of the dollar abroad. Also examines the effect of government spending, taxation and money supply policies on the economy's performance. Not open to freshmen. **Three hours per week.**

300. ECONOMIC HISTORY OF THE UNITED STATES **3 hours credit**
Study of major developments in the American economy from the founding of colonies to the present, with emphasis on the economic factors contributing to U.S. industrial growth. **Prerequisites:** ECON 211, 212. **Three hours per week.**

305. INTERMEDIATE MACRO-THEORY **3 hours credit**
Study of the theory of economic aggregates through the use of national income accounts to determine the effect of certain key variables on employment and production. Key variables studied include savings and investment, the quantity of money, the velocity of money, the rate of interest and consumption. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

306. INTERMEDIATE MICRO-THEORY **3 hours credit**
Study of supply and demand relationships under the various market classifications. Major topics include the market forms, the principles of production, costs of production, resource allocation and income distribution with some discussion of welfare economics. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

307. MANAGERIAL ECONOMICS **3 hours credit**
Empirical and theoretical analysis of factors affecting behavior of business costs and revenues. Application of economic principles to production and pricing decisions of the firm. Examination of methods of business forecasting. **Prerequisites:** ECON 211, 212; BUAD 281. **Three hours per week.**

310. THE ECONOMICS OF HEALTH CARE **3 hours credit**
Examines economic aspects of health care including special characteristics of the health care industry, economic behavior of health care consumers and providers, and the role of health insurance and government regulation. Compares health care finance and insurance in the U.S. and other advanced countries. **Prerequisites:** ECON 211, 212 or permission of instructor. **Three hours per week.**

317. URBAN ECONOMICS **3 hours credit**
Application of economics to the urban environment with emphasis on city finance, urban transportation, distribution, land use and the urban economic base. **Prerequisites:** ECON 211, 212. **Three hours per week.**

331. MONEY AND BANKING **3 hours credit**
Study of financial institutions, economic aspects of commercial banking, monetary economics, and banking and fiscal policy. **Prerequisites:** ECON 211, 212. **Three hours per week.**

336. PUBLIC SECTOR ECONOMICS **3 hours credit**
Study of the principles, techniques and effects of obtaining and spending funds by governments and the management of governmental debt. Taxes and expenditures of all levels of government in the United States considered. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

338. SPECIAL TOPICS IN ECONOMICS **3 hours credit**
In-depth study of varying economic issues not covered in other economics courses. Students may repeat this course under a different topic. **Prerequisites:** ECON 211, 212. **Three hours per week.**

340. ECONOMICS OF SOCIAL ISSUES **3 hours credit**
Study of selected current economic issues (with concentration on issues not covered in other courses such as money and banking, public sector economics, etc.) including the economics of pollution, crime, poverty, transportation, women in the work force, education, inflation, etc. **Prerequisite:** ECON 211 or 212. **Three hours per week.**

370. INDUSTRIAL ORGANIZATION **3 hours credit**
Examines differences in how firms behave and perform under alternative market structures including monopolistic competition, oligopoly, monopoly and pure competition. Analyzes problems created by industrial concentration and public policies for dealing with these problems. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

381. LABOR ECONOMICS **3 hours credit**
Background and development of the labor movement, including current practices in industrial relations collective bargaining, government and labor relations. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

401. HISTORY OF ECONOMIC THOUGHT **3 hours credit**
Survey of important trends in economic ideas, showing their relation to basic economic issues. Readings from selected economists. **Prerequisites:** ECON 211, 212. **Three hours per week.**

402. COMPARATIVE ECONOMIC SYSTEMS **3 hours credit**
Comparative study of contemporary economic systems in capitalists, socialist and communist societies. **Prerequisites:** ECON 211, 212. **Three hours per week.**

411. ECONOMIC DEVELOPMENT **3 hours credit**
Study of the theory of economic development and its application to the underdeveloped regions and countries of the world. Emphasis on the technological, locational and financial aspects of economic growth. **Prerequisites:** ECON 211, 212. **Three hours per week.**

415. ENVIRONMENTAL ECONOMICS **3 hours credit**
Economics-based analysis of causes and consequences of environmental problems and environmental policy. Topics include common pool resources, externalities, exhaustible and renewable resources, privatization and the economics of environmental policy formation. **Prerequisite:** ECON 211. **Three hours per week.**

420. THE ECONOMICS OF NATURAL RESOURCES AND AGRICULTURE **3 hours credit**
Study of critical issues in natural resource allocation. Topics include optimal resource allocation, property rights, externalities, conservation, the agricultural policy process and the structure of agriculture. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

430. ECONOMETRICS **3 hours credit**
Detailed study of the application of regression techniques to economic data. Emphasis on practical aspects of econometrics including specification, estimation and interpretation of demand and supply equations. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

441. INTERNATIONAL ECONOMICS **3 hours credit**
Study of the basic economic concepts and theories for international business, international trade and finance, commercial policy, and foreign investment and multinational firms. **Prerequisites:** ECON 211, 212; MATH 151. **Three hours per week.**

460. APPLIED ECONOMICS WORKSHOP **3 hours credit**
Practical experience with methods used by professional economists to measure economic conditions. Students collect, process, evaluate, interpret and report economic data. Satisfies ABLE requirement for business majors in economics track only. **Prerequisites:** Senior with major, minor or track in economics. **Three hours per week.**

492. SENIOR SEMINAR IN CONTEMPORARY ECONOMIC PROBLEMS **3 hours credit**
Economics majors research problems of their own choosing and present a seminar paper. Focus on problems facing the American and world economies. **Prerequisite:** Economics major or consent of instructor. **Three hours per week.**

494. DIRECTED STUDY IN ECONOMICS **1-3 hours credit**
Supervised study in an area of interest to the advanced student. May be taken twice under different course topics recorded with the registrar. **Prerequisite:** Junior/senior status in economics/business administration or consent of the instructor.

Education (EDUC, ELED, SCED)

300. DEVELOPMENT AND LEARNING **3 hours credit**
Physical, intellectual, emotional and social development of children (ages 3-18) considered. Required application. Attention given to motivation and learning. **Prerequisite:** PSYC 101. **Three hours per week.**

301. ROLES OF THE TEACHER **3 hours credit**
Study of various functions and classroom structures appropriate to teaching in the elementary and secondary schools through a series of field-based experiences allowing students to explore various roles and functions of a teacher. **Three hours per week.** *(P/F)*

303. INTRODUCTION TO CLASSROOM MANAGEMENT **3 hours credit**
Helps students develop practical skills in managing client behavior, both in and out of the classroom. Major models covered are behavior modification, reality therapy and teacher effectiveness training, as well as extensive emphasis on creating a well-managed classroom. **Prerequisite:** EDUC 300 or consent of instructor. **Three hours per week.**

305. THE SCHOOL IN SOCIETY **3 hours credit**
Historical, sociological and philosophical approach to the role of the school in society. Consideration given to the entire K-12 program including special emphasis on organization and administration in Maryland. Minimum 20-hour field experience required. **Prerequisite:** Sophomore standing. **Three hours per week.**

306. PRINCIPLES OF INSTRUCTION: RESEARCH, THEORY AND PRACTICE **3 hours credit**
Objectives and curricula with a focus on planning, organizing content, developing teaching methods, establishing classroom management procedures, evaluating and reporting on student progress. Includes classroom observation and "bit teaching." **Three hours per week.**

308. AUDIO-VISUAL EQUIPMENT OPERATION **1 hour credit**
Self-instructional, self-paced course designed to foster competency in the operation of selected AV equipment. Recommended participation in a 50-minute lab session each week. Participants proceed at own rate of speed.

310. ELEMENTARY SCHOOL COMMUNICATION ARTS METHODS **3 hours credit**
Introduction to the processes of communication incorporating theory, modern research and specific methods which can be used to promote growth in these areas by elementary school children. Field experiences included. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.**

311. ELEMENTARY SCHOOL MATHEMATICS METHODS **3 hours credit**
Selection, organization and method for use of appropriate mathematics curricula at the various grade levels in the elementary school. Manipulation of current school mathematics materials stressed. Field experiences included. **Prerequisite:** MATH 103 with C or better, admission to Professional Teacher Education Program. **Three hours per week.**

312. ELEMENTARY SCHOOL SCIENCE METHODS **3 hours credit**
Selection, organization and method for use of appropriate science materials for the elementary school. Exploration of existing science curricula and teaching methods required to effectively implement the goals of science education utilized to relate science curricula and methods to children in the overall elementary program. Field experiences included. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.**

313. TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL **3 hours credit**
Selection, organization, presentation and evaluation of social studies material in the elementary school. Consideration of recent theory and method in improving teaching of the social studies. Field experiences included. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.**

316. ELEMENTARY SCHOOL READING METHODS **3 hours credit**
Introduction to the teaching of reading in the elementary school designed for undergraduates in elementary education. Content deals with reading programs, word recognition strategies, vocabulary development and comprehension. Field experiences included. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.**

332. METHODS AND MATERIALS FOR SECONDARY SCHOOL ART **3 hours credit**
Prepares art students for the teaching and administration of art programs on the secondary level and for careers as art education consultants and supervisors. **Prerequisite:** Acceptance in the Art Education Professional Program. **Four hours per week.** *(spring semester only)*

333. ENGLISH IN THE SECONDARY SCHOOL **3 hours credit**
Study of materials and methods for teaching language arts in the high school. Various models and strategies for teaching language arts—language, literature and media—at this level

demonstrated and analyzed. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.** *(fall semester only)*

334. SOCIAL STUDIES IN THE SECONDARY SCHOOL **3 hours credit**
Analysis of the secondary school program in social studies; emphasis on methods of teaching history, geography and citizenship. Current curriculum trends considered. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.** *(fall semester only)*

335. MATHEMATICS IN THE SECONDARY SCHOOL **3 hours credit**
Analysis of the secondary school program in mathematics; emphasis on methods of teaching mathematical concepts and understandings. Organization of teaching units, observation and evaluation of teaching in particular situations. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.** *(fall semester only)*

336. SCIENCE TEACHING IN THE SECONDARY SCHOOL **3 hours credit**
Analysis of secondary school science teaching methods, materials and existing programs. Curricula and materials for the middle school and senior high school levels investigated by the student in biology, chemistry, earth science, general science, physical science and physics. Prerequisite**:** Admission to Professional Teacher Education Program. **Three hours per week.** *(fall semester only)*

337. FOREIGN LANGUAGE IN THE SECONDARY SCHOOL **3 hours credit**
Study of the philosophy, aims and methods of teaching foreign language in the secondary school with emphasis upon the techniques and materials in current use. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.** *(fall semester only)*

338. SPEECH IN THE SECONDARY SCHOOL **3 hours credit**
Study of the aims and methods of teaching speech in the secondary school. Consideration of textbooks and materials, as well as the organization of and participation in extracurricular activities in speech. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.** *(fall semester only)*

375. METHODS AND MATERIALS FOR ELEMENTARY SCHOOL ART **3 hours credit**
Practice in using construction skills for developing creative art projects for elementary education (K-6). Lesson plans, various tools and materials are used to develop basic skills in art expression. For elementary art education specialists only. Students must furnish some of their own materials. **Prerequisite:** Acceptance in the Art Education Professional Program. **Four hours per week.**

401, 402. DIRECTED TEACHING IN ELEMENTARY SCHOOL **6 hours credit each**
Students placed in directed teaching centers in nearby public elementary schools. They observe teaching, participate in work with children, teach and participate in activities for which regularly employed teachers are responsible. **Prerequisites:** Admission to Professional Teacher Education Program and student teaching criteria. EDUC 401 prerequisite to 402; a grade of NR will be assigned to those who satisfactorily complete EDUC 401 until successful completion of 402. *(P/F)*

403, 404. DIRECTED TEACHING IN PHYSICAL EDUCATION **6 hours credit each**
Directed student teaching experience in nearby public schools under the direction of the public school teacher and with supervision from the University staff. Half semester in elementary physical education teaching and half semester in secondary teaching to qualify for certification in all 12 grades. **Prerequisites:** Admission to Professional Teacher Education Program and student teaching criteria. EDUC 403 prerequisite to 404; a grade of NR will be assigned to those who satisfactorily complete EDUC 403 until successful completion of 404. **Corequisites:** EDUC 477, 478. *(P/F)*

408. CHILDREN'S LITERATURE **3 hours credit**
Study of the works of important writers and artists in each of the major types of children's books (fairy tales, picture books, realistic fiction, fantasies, biographies, etc.). Historical trends and methods of incorporating children's literature into the elementary program included. **Prerequisite:** Admission to the Professional Teacher Education Program. **Three hours per week.**

409. LITERATURE FOR ADOLESCENTS **3 hours credit**
Study of literature for and about contemporary adolescents. Emphasis on methods of teaching that build adolescent appreciation for the more established literary selections in secondary school curriculum. **Prerequisite:** Admission to the Professional Teacher Education Program. **Three hours per week.**

411. INSTRUCTIONAL ANALYSIS IN THE ELEMENTARY SCHOOL **3 hours credit**
Seminar approach to current practices and trends in teaching. Involves interaction analysis, evaluative techniques, instructional planning and role playing. (Scheduled during the student teaching semester.) **Prerequisites:** Admission to the Professional Teacher Education Program and student teaching. **Corequisites:** EDUC 401, 402. **Three hours per week.** *(P/F)*

419. TEACHING MUSIC IN THE ELEMENTARY SCHOOL **3 hours credit**
Techniques for teaching music in the elementary school; study of the child voice; appropriate singing, listening, rhythmic, instrumental and creative activities; remedial work for poor singers; activities for musically talented children; comprehension overview of music materials and their application to the elementary school curriculum. **Prerequisites:** Admission to Professional Teacher Education Program, MUSC 200/equivalent. **Three hours per week.**

420. FOUNDATIONS OF READING (Elementary Education) **3 hours credit**
Deals with pre-reading skills, beginning reading, informal assessment, analysis of reading programs, grouping procedures, word attack skills, and development of vocabulary and comprehension abilities. Intended for personnel in elementary education. **Prerequisite:** Admission to Professional Teacher Education Program. **Three hours per week.**

422. FOUNDATIONS OF READING (Middle and Secondary Level) **3 hours credit**
Development and evaluation of effective reading skills and habits, especially in the subject content fields, and consideration of problems of content, organization, readability and method in teaching reading at higher levels. **Three hours per week.**

425. TEACHING READING COMPREHENSION: RESEARCH FINDINGS AND STRATEGIES FOR INSTRUCTION **3 hours credit**
Elective in reading education. Investigates contemporary research relating to the development of reading comprehension, procedures for assessing reading comprehension competencies and teaching strategies to improve comprehension. Designed for elementary, middle school, reading and resource teachers. **Prerequisites:** Admission to Professional Teacher Education Program, either EDUC 316, 420 or 422. **Three hours per week.**

426, 428. DIRECTED TEACHING IN THE SECONDARY SCHOOL **6 hours credit each**
Students assigned to cooperating teachers in two secondary schools, a half-semester in each setting. Cooperating teachers and University supervisors guide the students in observing, working with pupils, teaching and participating in all activities for which regular teachers are responsible. **Prerequisites:** A major in one of the academic disciplines with an MSDE-approved program; competency tests; admission to Professional Teacher Education Program; EDUC 300, 305, 306, 308 and special methods. EDUC 426 prerequisite to 428. Credit not be awarded for EDUC 426 until successful completion of 428. *(P/F)*

427. CLASSROOM ANALYSIS AND CORRECTION OF READING DIFFICULTIES **3 hours credit**
Deals with the causes of reading disabilities, prevention of reading failure, strategies for the collection and analysis of reading behavior and instructional programs for correction. Intended for pre-service and in-service teachers interested in reading disabilities, but not interested in pursuing a specialization in reading education. **Prerequisite:** EDUC 316 or 420 or 422 or a foundations course in reading instruction. **Three hours per week.**

429. TEACHING MUSIC IN THE SECONDARY SCHOOL **3 hours credit**
Methods and materials of music teaching in grades 7-12. Emphasis on vocal, instrumental and general music. **Prerequisites:** MUSC 200, admission to Professional Teacher Education Program.

430. DIRECTED TEACHING IN MUSIC IN THE ELEMENTARY SCHOOL **6 hours credit**
Student teaching experience in all aspects of the elementary school music curriculum at several grade levels under the direction of public school music teacher, with supervision from the University staff. Includes observation and participation in the classroom as well as actual teaching and other activities and duties normally performed. **Prerequisites:** Completion of courses in the music concentration through the third year, EDUC 419 and 429, written approval of the Music Department, admission to Professional Teacher Education Program. *(P/F)*

431. DIRECTED TEACHING IN MUSIC IN THE SECONDARY SCHOOL **6 hours credit**
Student teaching experience in all aspects of the secondary school music curriculum including the areas of choral, instrumental and general music. Observation, participation, teaching and other activities and duties normally performed by professional teachers done under the direction of public school music teacher(s), with supervision from the University staff. **Prerequisites:** Completion of courses in the music concentration through the third year, EDUC 419 and 429, written approval of the Music Department. *(P/F)*

432. LITERACY AND ESOL READING **3 hours credit**
Introduces students interested in questions of language acquisition to the theories and practices relating to learning to read in a second language or second dialect. Topics include models for acquiring foreign language reading skills, teaching strategies for second language/dialect literacy, evaluating literacy skills, current research about acquisition of literacy skills, and political and social implications of second language/dialect literacy. **Prerequisite:** ENGL 430 or permission of instructor. **Three hours per week.**

433. STUDENT TEACHING SEMINAR— SECONDARY EDUCATION **3 hours credit**
Forum for discussion of issues pertinent to current practices, trends and issues in the middle, junior and senior high school during the student teaching experience. **Prerequisite:** Admission to student teaching. **Corequisites:** EDUC 426, 428. *(P/F)*

440. INTRODUCTION TO EARLY CHILDHOOD EDUCATION **3 hours credit**
Introduction to curriculum and methods in early childhood education, including theories, practices, techniques and materials. Field experience required. **Prerequisites:** EDUC 300; elementary education degree/declared elementary education major. **Three hours per week.**

441. EARLY CHILDHOOD EDUCATION INTEGRATED CURRICULUM I **3 hours credit**
Materials and methods for teaching language arts to kindergarten and pre-kindergarten level children. Emphasis on curriculum planning, use of space, class management and lesson planning. Attention to art, music, nutrition, safety, health education, motor activities and positive teacher-parent relations. **Prerequisite:** EDUC 440. **Three hours per week.**

442. EARLY CHILDHOOD EDUCATION INTEGRATED CURRICULUM II **3 hours credit**
Materials and methods for teaching science, social studies and math readiness to kindergarten and pre-kindergarten level children. Emphasis on curriculum planning, room design, class management and lesson planning. Attention to management, professional development, curriculum development roles and field trip planning. **Prerequisite:** EDUC 400. **Three hours per week.**

443. LITERACY AND ESOL WRITING **3 hours credit**
Introduces students interested in questions of language acquisition to the theories and practices of learning to write in a second language or second dialect. Topics include writing theory, writing strategies, evaluating writing, and writers and rhetorical concerns. Students develop a literacy project, writing materials for specific ESOL students. **Prerequisite:** ENGL 430 or permission of instructor. **Three hours per week.**

445. DIRECTED TEACHING IN THE KINDERGARTEN **6 hours credit**
Students are placed in kindergarten classrooms for a full semester, three hours daily. Students observe teaching, work with children, and teach and participate in activities for which regularly employed teachers are responsible. **Prerequisites:** EDUC 400; EDUC 441 or 442; acceptance into the professional program. *(P/F)*

454. COMPOSITION: CURRICULUM AND METHODS **3 hours credit**
Study of the emergence of contemporary curriculum for teaching writing with emphasis on contributing models. Design of instructional materials which employ a range of methods within a "writing process" framework and promote the use of writing to teach academic content. Lecture, discussion, design and analysis of instructional materials, microteaching and instructional analysis. **Prerequisite:** At least one course in composition beyond ENGL 101. **Three hours per week.**

467. EDUCATING THE MILDLY HANDICAPPED CHILD IN THE REGULAR CLASSROOM **3 hours credit**
Acquaints classroom teachers with instructional approaches for the mildly handicapped learner. Major topics of the course include mainstreaming, IEPs, adapting instructional approaches, behavior management, stressing early childhood, elementary and secondary levels. Intended for the regular classroom teacher and not for certification in special education. Student may not receive credit for both EDUC 467 and 480. **Prerequisite:** EDUC 300 or equivalent. **Three hours per week.**

471. COMPUTERS IN EDUCATION **3 hours credit**
Overview of the role of computers in education. Examination of computer applications as they relate to specific teaching/learning operations and educational functions. **Prerequisite:** A teaching methods course or consent of instructor. **Three hours per week.**

472. THEORY AND PRACTICE OF TEACHING ADULTS **3 hours credit**
For upper-division students in any discipline seeking information about contemporary methods of effective adult instruction. Assumes no prior knowledge about educational methods, theories or practices. **Prerequisite:** Junior/senior standing. **Three hours per week.**

475. METHODS AND MATERIALS IN ENVIRONMENTAL EDUCATION **3 hours credit**
Increases students' awareness of their immediate environment with the aim of developing a broad philosophy of environmental education. Existing teaching methods and materials analyzed and new methods developed for use in interdisciplinary, problem-focused situations. **Prerequisite:** Senior standing. **Three hours per week.**

477. TEACHING PHYSICAL EDUCATION **3 hours credit**
Study of the content, program design and teaching techniques used for effective teaching. The decision-making process relative to teachers and its potential impact on students and the curriculum is explored. **Three hours per week.**

478. STUDENT TEACHING OF PHYSICAL EDUCATION SEMINAR **3 hours credit**
Critical analysis of the decisions made by student teachers in the public schools. Emphasis upon identifying possible solutions for problems students are confronted with in their teaching. **Corequisites:** EDUC 403, 404. *(P/F)*

490. SPECIAL PROBLEMS AND PRACTICES IN EDUCATION **1-6 hours credit**
Individually designed programs including seminars, workshops and courses in curriculum development, planning, evaluation, specialized areas of study for purposes of enrichment, in-depth study of special problems and/or professional practices in education. May be taken twice under different subtitles. **Prerequisite:** Admission to professional program or permission of department chair.

491. INDEPENDENT STUDY **1-3 hours credit**
Permits self-study of problems not considered in other courses. May be taken twice under different subtitles. **Prerequisites:** Approval of course instructor and department chair.

495. SPECIAL PROBLEMS AND PRACTICES IN ART EDUCATION K-12 **3 hours credit**
For individually designed classroom programs in education, including seminars, workshops, curriculum development, daily planning, evaluation and art study projects. Students furnish some materials. Recommended for senior undergraduate or graduate credit. May only be taken once for credit.

Engineering (ENGR)

101. ENGINEERING GRAPHICS **2 hours credit**
Introduces procedures and tools of engineering drawing. Visualizing in three dimensions and expressing ideas graphically are covered. **One hour lecture, three hours laboratory per week.**

110. STATICS **3 hours credit**
The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams and friction. Vector and scalar methods used to solve problems. **Prerequisites:** MATH 210, PHYS 221. **Three hours per week.**

221. DYNAMICS **3 hours credit**
Systems of heavy particles and rigid bodies at rest and in motion. Force acceleration, work energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space. **Prerequisites:** MATH 202, ENGR 110. **Three hours per week.**

English (ENGL)

101. PRINCIPLES OF COMPOSITION **3 hours credit**
Study of writing processes and written products as responses to a variety of writing assignments. Special focus on clarity, completeness, effectiveness and correctness. **Three hours per week.**

102. PRINCIPLES OF LITERATURE **3 hours credit**
Study of the principal genres, with a variety of writing assignments about literature, including one research paper. **Prerequisite:** ENGL 101 (with a C or better or exemption). **Three hours per week.**

110. INTRODUCTION TO THE STUDY OF LANGUAGE **3 hours credit**
Study of the ways language works and an introduction to the scientific study of language and linguistics. Presupposes no formal study or knowledge of language. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

121. INTRODUCTION TO FILM **3 hours credit**
Introduction to the art of film. Concepts of organization, structure, and editing techniques through viewing and discussing short films. Literary and dramatic influences in feature films. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

203. UNDERSTANDING POETRY (Genre) **3 hours credit**
Reading and interpreting a wide variety of poems, examining the features of the poem as a form, variations of the form throughout history. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

204. THE ART OF THE DRAMA (Genre) **3 hours credit**
An introduction to the types of drama in the American, British and Continental traditions. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

207. WORLD LITERATURE I **3 hours credit**
A study of some of the major Western writers of the non-English speaking world from ancient Greece and Rome through the 16th century. Among writers and works to be studied: Homer, Virgil, Aeschylus, Sophocles, the Bible, medieval romances, Dante, Montaigne, Cervantes. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

208. WORLD LITERATURE II **3 hours credit**
A study of some of the major Western writers of the non-English-speaking world from the 17th century to the first half of the 20th century. Among writers to be studied: Goethe, Moliere, Voltaire, Rousseau, Lacious, Balzac, Flaubert, Dostoevsky, Gogol, Tolstoy, Chekhov, Ibsen, Mann, Prouse, Kafka. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

209. ASPECTS OF THE NOVEL (Genre) **3 hours credit**
Analysis of American, British and Continental novels; the form of the novel and its variations. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

210. THE SHORT STORY (Genre) **3 hours credit**
A study of the historical development of the short story, its forms, characteristics and its most successful practitioners. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

212. SATIRE (Genre) **3 hours credit**
The nature of satire and its historical forms. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

222. WORLD MYTHOLOGY **3 hours credit**
Primitive, oriental and occidental mythology, emphasis on classical, Nordic and Judeo-Christian myths. Application of principles of myth and folklore criticism to Western literature, ancient through modern. Not open to students who have taken ENGL 326. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

223. FOLKLORE AND FOLKLIFE **3 hours credit**
Introduction to varieties of folk performance, especially verbal and literary, with attention to significance of folk groups. Methods of folklore collection, analysis, presentation and archiving. General Education literature credit. **Prerequisite.** ENGL 102. **Three hours per week.**

230. CREATIVE WRITING **3 hours credit**
Techniques of writing fiction and poetry through reading, analysis and directed writing. Students submit work-in-progress for class discussion and a portfolio of poems or stories. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

241. MAJOR AMERICAN AUTHORS **3 hours credit**
A survey of major American writers from early 18th century to the present in order to trace the growth in this country of an indigenous literature. intellectual, social, political, philosophical and aesthetic issues are examined. Among authors studied are Franklin, Emerson, Hawthorne, Melville, Twain, Faulkner and Barth. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

242. MAJOR BRITISH AUTHORS I **3 hours credit**
Survey of major British writers from the Beowulf poet to the poetry of sensibility. Readings include but not limited to: *The Canterbury Tales*, Shakespeare's drams. *Paradise Lost*, and major works by Swift, Pope and Johnson. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

243. MAJOR BRITISH AUTHORS II **3 hours credit**
Survey of major British writers from William Blake to contemporary poets. Readings include but not limited to: Wordsworth's *The Prelude*, Conrad's fiction, and major works by Keats, Tennyson, Browning, Joyce, Yeats and Eliot. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

300. STUDIES IN ENGLISH **3 hours credit**
Study of a literary figure, period, genre, movement or theme. May be repeated under different subtitles. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

301. STUDIES IN ENGLISH **3 hours credit**
Study of a topic in language, film or writing. May be repeated under different subtitles. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

307. AFRICAN-AMERICAN LITERATURE **3 hours credit**
African-American literature from the Harlem Renaissance (1934) to the present, its relation to the African-American movement and the African-American experience in America. Among authors studied are Wright, Ellison, Baldwin, Kelley, Toomer, Petry, Morrison, McKay, Walker, Brooks and Jones. General Education literature credit. **Prerequisite.** ENGL 102. **Three hours per week.**

309. WOMEN IN LITERATURE **3 hours credit**
A study in literature written by American and British women, primarily during the 19th and 20th centuries. Among writers studied are Bronte, Eliot, Chopin, Wharton, Woolf, Plath, Walker. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

311. FICTION WORKSHOP **3 hours credit**
Students analyze in a workshop setting readings in contemporary fiction to observe techniques in craftsmanship and present their own fiction for intensive examination by workshop participants. May be taken twice for credit. Not acceptable for General Education credit. **Prerequisites:** ENGL 230 or consent of instructor. **Three hours per week.**

312. POETRY WORKSHOP **3 hours credit**
Students analyze in a workshop setting readings in contemporary poetry to observe techniques in craftsmanship and present their own poetry for intensive examination by workshop participants. May be taken twice for credit. Not acceptable for General Education credit. **Prerequisites:** ENGL 230 or consent of instructor. **Three hours per week.**

313. THE BIBLE AS LITERATURE **3 hours credit**
The literature of the Bible: various forms, stylistic features and relation to culture. Emphasis on the Old Testament, King James version. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

321. FILM HISTORY **3 hours credit**
The history of motion pictures with a focus on technical and artistic trends and the work of important artists and directors. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

322. LITERATURE AND FILM **3 hours credit**
The relation of film to literature as narrative, dramatic and poetic means of expression; the translation of literary works into film. General Education literature credit. **Prerequisite:** ENGL 102. **Two hours lecture and two hours screening per week.**

324. FILM GENRE **3 hours credit**
An introduction to the concept of film genre and to the study of specific film genres including comedies, musicals, westerns, gangster films, horror films and science fiction films. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

325. STUDIES IN FILM **3 hours credit**
Study of a director, period, genre, movement or theme in the area of film. May be repeated twice under different subtitles. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

327. SCIENCE FICTION **3 hours credit**
A survey of the types and conventions of science fiction and a consideration of its persistent themes, especially the idea of utopia and dystopia. Readings include traditional works by such authors as Swift, Bellamy, Wells, Huxley and Orwell as well as popular fiction by such recent authors as Stapledon, Clarke, Bradbury, Vonnegut and LeGuin. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

328. NATIVE AMERICAN LITERATURE **3 hours credit**
Study of the literature that grew out of the unique perceptions and experiences of the Native Americans with particular emphasis on poetry, short stories and novels. Authors include Erdrich, Silko, Momaday, Black Elk, Welch and Ortiz. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

329. LITERATURE OF THE AMERICAN WEST: 1820-PRESENT **3 hours credit**
A study of journals and travel narratives and popular, regional and historical novels of the American West. Works of writers such as Cooper, Twain, Steinbeck, Anaya, Cather and Silko. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

331. AMERICAN LITERATURE: BEGINNING-1860 **3 hours credit**
Study of major American Literature, exclusive of the novel, from the beginnings to 1960. Among writers studied are Freneau, Edwards, Franklin, Irving, Poe, Hawthorne, Melville and Whitman. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

332. AMERICAN LITERATURE: 1860-1945 **3 hours credit**
Study of major American literature, exclusive of the novel, from the Civil War to the end of World War II. Among writers studied are Whitman, Dickinson, Twain, James, Dreiser, Frost, Cather, Anderson, O'Neill, Eliot, Stevens, Faulkner, Porter, Welty and O'Connor. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

335. GOTHIC FICTION **3 hours credit**
A study of the Gothic strain in English and American fiction from the late 18th through the 20th centuries—its genesis, initial manifestations, popular mutations and periodic reinvigorations. Among authors studied are Horace Walpole, Ann Radcliffe, "Monk" Lewis, Poe, James, Bram Stoker and Stephen King. General Education Literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

336. THE WILDERNESS IN LITERATURE **3 hours credit**
A study of evolving ideas of wilderness in journals and other non-fiction, along with readings in fiction and poetry which dramatize civilized humanity's relationships with wilderness. Nineteenth and 20th century American authors including Thoreau, John Muir, Fenimore Cooper, Edward Abbey, Jack London, Faulkner, James Dickey and Gary Snyder. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

339. INTERNSHIP IN ENGLISH **1-3 hours credit**
Provides students practical experience in using English course skills through work in a business, public service agency or professional office. May be taken for a maximum of three hours credit. **Prerequisites:** ENGL 101, 102; senior English major with minimum 3.0 GPA; written permission of chair or internship coordinator.

340. WRITER'S CRAFT **3 hours credit**
In-depth study of the creative writing process. Students develop a craft workbook that focuses on contemporary forms and strategies. Students write by assignment and develop techniques of reviewing in order to compare and contrast certain authors' aesthetics with their own creative writings. May be taken twice for credit. Not acceptable for General Education credit. **Prerequisite:** ENGL 230 or consent of instructor. **Three hours per week.**

343. INDIVIDUAL AUTHORS **3 hours credit**
An intensive study of one to three writers of major stature (choice to be made by the instructor). General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

344. LITERATURE OF A DECADE **3 hours credit**
In-depth study of literary works of a particular decade with special emphasis on cultural and historical context. (Decade and texts selected by instructor.) General Education literature credit. May be repeated under different subtitles. **Prerequisite:** ENGL 102. **Three hours per week.**

350. AMERICAN DRAMA **3 hours credit**
Historical survey of American drama from its beginnings to the present. Includes works by major American dramatists, such as Hellman, O'Neill, Williams, Mille and Henley. **Prerequisite:** ENGL 102 with C or better. **Three hours per week.**

353. WRITING FOR THE PROFESSIONS **3 hours credit**
Helps students improve their writing to meet career demands of particular majors. Students examine styles and forms of writing and evaluate options and requirements for particular writing tasks. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

360. NORSE LITERATURE IN TRANSLATION **3 hours credit**
Survey of northern European literature from the pagan era through the Middle Ages, including Germanic myths and Icelandic sagas. Supporting materials from archaeology, folklore and popular culture. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

362. ARTHURIAN LITERATURE **3 hours credit**
Survey of medieval and modern treatments of the legends of King Arthur. Celtic, English and Continental sources. Supporting materials from archaeology, folklore, mythology, fine arts, popular culture. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

400. INDEPENDENT STUDY **3 hours credit**
Tutorial course in any area of English. Open to junior and senior English majors with superior English grades. Permission of the department chair prior to registration. One conference weekly. May be taken twice. Not for graduate credit.

405. MAJOR FILM DIRECTORS **3 hours credit**
Intensive study of individual American and foreign *auteur* directors, singly or in groups. Focus on those artists who write their own screenplays and direct their own films. May be repeated twice if different directors are studied. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

411. CHAUCER (Author)
Chaucer's major works with emphasis on *The Canterbury Tales.* General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

412. MILTON (Author) **3 hours credit**
The sonnets, companion poems, essays and drama. Emphasis on *Paradise Lost.* General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

414. ELIZABETHAN AND JACOBEAN LITERATURE (Period) **3 hours credit**
A study of major British literature, exclusive of Shakespeare, from 1500-1660. Authors include Sidney, Spenser, Donne and Milton. General Education literature. **Prerequisite:** ENGL 102. **Three hours per week.**

419. SHAKESPEARE **3 hours credit**
A study of the major comedies and histories with an emphasis on the tragedies. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

420. RESTORATION AND 18TH CENTURY LITERATURE (Period) **3 hours credit**
A study of British literature from 1660 through the 18th century. Writers studied are Rochester, Drydem, Defoe, Swift, Pope, Johnson, Boswell and Goldsmith. General Education literature credit. **Prerequisite.** ENGL 102. **Three hours per week.**

425. VICTORIAN LITERATURE (Period) **3 hours credit**
A study of major British literature during the reign of Queen Victoria. Writers studied may include Tennyson, Browning, Arnold, Carlyle, Newman and Ruskin. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

426. COLONIAL AMERICAN LITERATURE (Period) **3 hours credit**
A study of American literature prior to 1820. Writers studied may include Bradford, Bradstreeet, Taylor, Edwards, Franklin, Irving and Cooper. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

427. THE AMERICAN RENAISSANCE (Period) **3 hours credit**
A study of the Transcendental Movement and literature between 1830 and 1870. Emphasis on the works of Emerson, Thoreau, Hawthorne, Melville, Whitman and Dickinson. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

428. AMERICAN SOUTHERN RENAISSANCE 1930-1970 (Period) **3 hours credit**
A study of fiction produced in the South between 1930 and 1970. Writers may include Glasgow, Faulkner, O'Connor, Welty, Porter, Warren, Percy, Capote, Taylore, Grau, Styron and Young. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

430. PRINCIPLES OF LINGUISTICS **3 hours credit**
Study of the components, processes and complexities of human language. Topics include phonology, morphology, syntax, language acquisition, writing systems, language attitudes, language processing and non-human language. Not acceptable for General Education credit. **Prerequisite:** ENGL 110 or permission of instructor. **Three hours per week.**

431. A SURVEY OF MODERN GRAMMARS **3 hours credit**
A historical approach to the descriptions of language: the traditional, the structural, the transformational and the tagmemic. Not acceptable for General Education credit. **Prerequisite.** ENGL 102. **Three hours per week.**

432. LITERACY AND ESOL READING **3 hours credit**
Introduces students interested in questions of language acquisition to the theories and practices relating to learning to read in a second language or second dialect. Topics included are models for acquiring foreign language reading skills, teaching strategies for second language/dialect literacy, evaluating literacy skills, current research about acquisition of literacy skills, and political and social implications of second language/dialect literacy. **Prerequisite:** ENGL 430 or permission of instructor. **Three hours per week.**

433. LANGUAGE AND CULTURE **3 hours credit**
A linguistic approach to the unique relationship between a language and the cultural total of which the language is a part. Educational, political and economic implications. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

435. VARIETIES IN LANGUAGE **3 hours credit**
Examines dialect variations according to gender, age, geography, ethnicity, socio-economic class and level of education. Emphasizes oral and written communication and problems caused by dialect variations. Not acceptable for General Education credit. **Prerequisite:** ENGL 110 or consent of instructor. **Three hours per week.**

437. HISTORY OF THE ENGLISH LANGUAGE **3 hours credit**
The development of modern English; internal changes in pronunciation, structure, vocabulary and usage with reference to the external history. Not acceptable for General Education credit. **Prerequisite:** ENGL 110 or consent of instructor. **Three hours per week.**

438. BILINGUALISM **3 hours credit**
Introduces students to what it means to be a bilingual child or adult in a world where over 60 percent of its citizens use two or more languages regularly. While exploring an individual's bilingualism, students learn about bilingualism as it relates to the world, the state and the community. Students explore the mind's role in bilingualism and in language learning in general, as well as bilingualism's role in present-day education. **Prerequisite:** ENGL 430 or permission of instructor. **Three hours per week.**

439. SECOND LANGUAGE/DIALECT LEARNING **3 hours credit**
Approaches to second language and dialect learning, teaching English to speakers of other languages, the question of standard English as a second dialect. Not acceptable for General Education credit. **Prerequisite:** ENGL 110 or 431 or consent of instructor. **Three hours per week.**

442. PRACTICUM IN ENGLISH **1-3 hours credit**
Under the close supervision of a master teacher, an advanced student in an English option interns as a teaching assistant in a lower-division course in that option. Not acceptable for General Education credit. **Prerequisites:** Nine hours of coursework in that option and approval of department chair. **Variable hours per week.**

443. LITERACY AND ESOL WRITING **3 hours credit**
Introduces students interested in questions of language acquisition to the theories and practices of learning to write in a second language or second dialect. Topics include writing theory, writing strategies, evaluating writing, and writers and rhetorical concerns. Students develop a literacy project, writing materials for specific ESOL students. **Prerequisite:** ENGL 430 or permission of instructor. **Three hours per week.**

447. APPLIED PHONOLOGY **3 hours credit**
Introduces students to English phonology as it relates to students learning English as a second language/dialect. Students learn to transcribe spoken language using the phonetic alphabet and how to analyze and identify speech patterns of modern American English. Those interested in foreign languages and language in general will find this course useful to their general knowledge of language. **Prerequisite:** ENGL 430 or permission of instructor. **Three hours per week.**

448. LITERATURE OF THE THIRD WORLD **3 hours credit**
Study of Third World literature and ways it resembles and differs from Western literature in matters of theme, style or content. May include authors such as Fuentes, Garcia Marquez, Paton, Head, Achebe, Thiong'o, Hulme. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

449. ETHNIC LITERATURE IN AMERICA **3 hours credit**
Explores literature of America's ethnic cultures and their historical and literary contexts. Emphasizes but not limited to literature of African-, Asian-, Jewish-, Mexican- and Native-Americans. **Prerequisite:** ENGL 102. **Three hours per week.**

450. PHILOSOPHICAL CONCEPTS IN LITERATURE **3 hours credit**
An examination of a philosophical theme, such as existentialism or tragedy, as reflected in literature. General Education literature credit. Can be repeated for credit with different themes. **Prerequisites:** ENGL 102 and a philosophy course, or consent of instructor. **Three hours per week.**

453. MODERN POETRY (Genre) **3 hours credit**
A study of British and American poetry from Yeats through World War II. Poets include Hopkins, Yeats, Eliot, Pound, Frost, Williams, Robinson, Crane, Stevens, Auden and Dylan Thomas. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

457. AMERICAN NOVEL I (Genre) **3 hours credit**
A study of major American novels through World War I. Writers studied may include Hawthorne, Crane, Melville, James and

Twain. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

458. AMERICAN NOVEL II **3 hours credit**
A study of major American Novels between World War I and World War II. Writers studied may include Fitzgerald, Hemingway, Steinbeck, Faulkner and Lewis. General Education literature credit. **Prerequisite.** ENGL 102. **Three hours per week.**

459. CONTEMPORARY LITERATURE (Period) **3 hours credit**
A study of selected literature from 1945 to the present. General Education literature credit. **Prerequisite.** ENGL 102. **Three hours per week.**

460. BRITISH NOVEL I (Genre) **3 hours credit**
A study of the British novel through the 18th century. Novelists studied include Defoe, Richardson, Fielding, Sterne, Smollett and Austen. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

462. BRITISH NOVEL II (Genre) **3 hours credit**
A study of the British novel of the 19th and 20th centuries, with works chosen from the writings of Austen, Dickens, Thackeray, Trollope, Hardy, Conrad, D.H. Lawrence and Virginia Woolf. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

463. LITERARY ANALYSIS **3 hours credit**
Analytical approaches to literature designed to teach teachers and prospective teachers traditional, formal, psychological, mythological and exponential analyses of narrative fiction, drama and poetry applied to the various genres. General Education literature credit. **Prerequisite:** ENGL 102. **Three hours per week.**

465. RESEARCH IN COMPOSITION **3 hours credit**
Explores current theories and research on writing process and product. Topics include: definitions of writing; rhetorical contexts; heuristics for prewriting, writing and rewriting; questions of arrangement, style, grammar, mechanics and assessment. Not acceptable for General Education credit. **Prerequisite:** C or better in ENGL 102. **Three hours per week.**

466. CURRENT PROBLEMS IN COMPOSITION RESEARCH **3 hours credit**
Applies theoretical concepts from ENGL 465 to current issues in composition and rhetoric research (such as basic writing, methods of responding to student writing and audience adaptation). Emphasizes modes of research for continuing investigation of these issues. **Prerequisite:** ENGL 465 or approval of the professor. **Three hours per week.**

470. HISTORY OF RHETORIC IN INSTRUCTION **3 hours credit**
Studies how changing views of rhetoric influence the development of composition instruction in English departments. Not acceptable for General Education credit. **Prerequisite:** ENGL 102. **Three hours per week.**

490. TOPICS IN ENGLISH **1-3 hours credit**
Intensive study of a literary genre, figure or period; or intensive study in language, writing or film. May be repeated for credit in different areas of study. Literature courses bear General Education I-A credit. **Prerequisite:** ENGL 102 or consent of instructor.

499. ENGLISH HONORS **3 hours credit**
Independent study in an area of English leading to an honors thesis. **Prerequisite:** invitation by the Department of English.

Environmental Health (ENVH)

210. INTRODUCTION TO ENVIRONMENTAL HEALTH **3 hours credit**
Introduces students to aspects of human impact on the environment and means of monitoring, controlling and regulating detrimental practices. Topics include food technology and protection; housing, industrial, occupational and recreational environments; air quality, waste management; and water quality and pollution control programs. **Prerequisites:** BIOL 121 or 122 and CHEM 121 or acceptable equivalent. **Three hours per week.**

301. ENVIRONMENTAL EPIDEMIOLOGY **3 hours credit**
Introduction to the basic principles of epidemiology and their application to disease control and the study of environmental health problems that adversely affect human health. **Prerequisites:** ENVH 210, BIOL 211. **Three hours per week.**

302. FOOD ASPECTS OF ENVIRONMENTAL HEALTH **3 hours credit**
Study of food and dairy products processing, handling, preparation, storage, preservation, associated illnesses and regulatory programs as they impact human health and environmental health control programs. **Prerequisite:** ENVH 210. **Three hours per week.**

310. SHELTER AND INSTITUTIONAL ENVIRONMENTS **3 hours credit**
Study of environmental health problems associated with human dwellings. Emphasizes sociological and educational principles as important to problem solution. Considers environmental health problems of hospitals, nursing homes, jails, schools, colleges and other public institutions. **Prerequisite:** ENVH 301. **Three hours per week.**

320. SAFETY AND OCCUPATIONAL HEALTH **3 hours credit**
Study of health and safety problems found in industry and analysis of acute and chronic diseases associated with various occupations and industrial settings. Considers Occupational Safety and Health Administration (OSHA) regulations and other federal and state mandates in depth. **Prerequisite:** ENVH 301. **Three hours credit.**

330. SOLID AND HAZARDOUS WASTE MANAGEMENT **3 hours credit**
Study of the generation, collection and disposal of solid and hazardous waste materials. Considers Toxic Substance Control Act, Department of Transportation Regulation, the Resource Conservation and Recovery Act in detail. **Prerequisites:** CHEM 221. **Three hours per week.**

450. PUBLIC HEALTH ADMINISTRATION **3 hours credit**
In-depth analysis of management practices and policies for environmental health programs. Considers relationship of these programs to federal and state government agencies. **Prerequisites:** ENVH 301 and either senior standing as an environmental health major or approval of program director. **Three hours per week.**

475. ENVIRONMENTAL HEALTH FIELD STUDIES **3 hours credit**
Provides senior students opportunities to work on environmental health problems and practical field experience in an established environmental health control program. **Prerequisite:** Approval of the program director the semester prior to intended course registration.

French (FREN)

101. ELEMENTARY FRENCH **3 hours credit**
Beginning spoken and written French with emphasis on the sound system and the basic structures of the language. Satisfies General Education IB. **Three hours per week.**

102. ELEMENTARY FRENCH II **3 hours credit**
Continuation of skill development in spoken and written French with further study of major structures. Satisfies General Education IB requirements. **Prerequisite:** FREN 101 or at least one year of high school French. **Three hours per week.**

105. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in FREN 101. **Prerequisite:** Registration in FREN 101 or permission of department chair. **Two hours per week.**

106. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in FREN 102. **Prerequisite:** Registration in FREN 102 or permission of department chair. **Two hours per week.**

201. INTERMEDIATE FRENCH **3 hours credit**
Continued development and refinement of language skills with emphasis on reading, writing and vocabulary development. **Prerequisite:** FREN 102 or at least two years of high school French. **Three hours per week.**

202. INTERMEDIATE AND APPLIED FRENCH **3 hours credit**
Continued development, refinement and application of language skills with emphasis on reading, writing and vocabulary development. Satisfies the language requirement for English majors and General Education IB. **Prerequisite:** FREN 201 or at least three years of high school French. **Three hours per week.**

205. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in FREN 201. **Prerequisite:** Registration in FREN 201 or permission of department chair. **Two hours per week.**

206. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in FREN 202. **Prerequisite**: Registration in FREN 202 or permission of department chair. **Two hours per week.**

300. TOPICS IN FRENCH LITERATURE **3 hours credit**
Study of an author, period, movement, genre or theme in French. Topic may vary semester to semester. May be repeated once with new content. **Prerequisite:** FREN 310 or permission of department chair. **Three hours per week.**

303. READING SKILLS AND STRATEGIES IN FRENCH **3 hours credit**
Development of reading skills and strategies using authentic texts. Emphasis on reading for specific purposes and continued acquisition of vocabulary. **Prerequisite:** FREN 202. **Three hours per week.**

305. SHORT FICTION IN FRANCE IN TRANSLATION **3 hours credit**
Survey of the short story in French literature from the 16th through 20th centuries with works by Marguerite de Navarre, Voltaire, Merimee, Balzac, Maupassant, Camus, Sartre and Marguerite Duras among others. General Education IA credit. Taught in English. **Prerequisite:** ENGL 102. **Three hours per week.**

310. FRENCH GRAMMAR AND COMPOSITION **3 hours credit**
Intensive review and application of grammar using exercises, compositions, dictation and papers to strengthen proficiency in writing. Continued acquisition of vocabulary and oral skills. **Prerequisite:** FREN 202 or equivalent experience. **Three hours per week.**

312. FRENCH CONVERSATION **3 hours credit**
Proficiency-based conversation focusing on the refinement of listening and speaking skills and vocabulary acquisition through role playing, small group and class discussion, oral reports and presentations. Introduction to phonetics. **Prerequisite:** FREN 202 or equivalent experience. **Three hours per week.**

316. FRENCH CULTURE AND CIVILIZATION I **3 hours credit**
Study of French civilization tracing major historical, cultural and artistic themes from the 16th to the 18th century. **Prerequisite:** FREN 303 or equivalent experience. **Three hours per week.**

317. FRENCH CULTURE AND CIVILIZATION II **3 hours credit**
Study of French civilization tracing major historical, cultural and artistic themes from the 18th to the 20th century. **Prerequisite:** FREN 303 or equivalent experience. **Three hours per week.**

325. FRANCOPHONE CULTURE THROUGH LITERATURE **3 hours credit**
A selection of short fiction, poetry and drama in French from the 19th and 20th centuries, centering on major cultural themes such as religion, chauvinism, honor, the family, etc. in the French-speaking world. **Prerequisite:** FREN 303, 310. **Three hours per week.**

350. THE RISE AND FALL OF SENSUALITY FROM THE MIDDLE AGES TO 1700 **3 hours credit**
The theme of sensuality in major works from the Middle Ages to the Enlightenment: medieval conflict, humanistic synthesis, classic rigidity. ("Song of Roland," Lays of Marie de France, Essays-Montaigne, Gargantua-Rabelais, Racine, Corneille, Moliere.) Taught in English. **Prerequisite:** ENGL 102 or consent of department chair. **Three hours per week**.

351. FRENCH LITERATURE OF PROTEST IN TRANSLATION (1700-1970) **3 hours credit**
Study of the emergence of France as a nation through the revolutionary literature of 1789, the intense emotionalism of the romantics, the realist observations and the existential absurd of France today. Open to all. Taught in English **Prerequisite:** ENGL 102 or consent of department chair. **Three hours per week.**

401. ADVANCED COMPOSITION AND MORPHOLOGY **3 hours credit**
Synthesis on an intense, advanced level of all of the principles of morphology, syntax, sentence development and sentence structure through translation and detailed composition. **Prerequisite:** FREN 310 or consent of department chair. **Three hours per week.**

402. ADVANCED CONVERSATION **3 hours credit**
Provides greater flexibility in the spoken language by intense oral practice to correct the defects of pronunciation and diction through phonetics. **Prerequisite:** FREN 312 or consent of department chair. **Three hours per week.**

405. SPECIAL PROBLEMS IN FRENCH 1-6 hours credit
Individual study of special areas in French linguistics or in French literature with the advice and direction from a member of the department. May be repeated with new content. **Prerequisite:** Consent of department chair.

480. SENIOR SEMINAR 1-3 hours credit
For senior French majors. Research encompassing several areas of French life and culture, language and literature is brought to bear upon a single theme or issue. **Prerequisite:** Senior standing.

General Studies (GENL)

001. NEW STUDENT SEMINAR 0 hours credit
Orients new students to the university experience. Required of all new students with fewer than 25 hours of university credit. **Nine to 13 hours per semester.**

090. EFFECTIVE STUDY TECHNIQUES 0 hours credit
Presentation and practice of a variety of established study methods: note taking, time management, concentration, memorizing, test taking and report writing. May be offered for two hours per week all semester or for three hours per week for 10 weeks. Offered on an S/U basis, for internal credit only.

101. HUMAN SEXUALITY 3 hours credit
Study of the human sexual nature, with emphasis on the biological, philosophical, psychological and sociological aspects of human sexuality. Team-taught by faculty from two or more disciplines. Students may not receive credit for both this course and PSYC 325. **Three hours per week.** *(P/F)*

110. PERSONAL CAREER PLANNING 2 hours credit
The career search process. Goal oriented toward the planned process of selecting a major or occupational direction. The history, theory, philosophy and economics of the world of work. Occupational testing, decision making, values clarification skills and guest lectures employed. Recommended for freshmen, sophomores and undeclared majors. **Three hours per week.**

120. COLLEGE READING 3 hours credit
Individualized program developed for each student based on diagnostic test battery results. Strengthens reading skills to prepare student for college reading. Program areas may include comprehension, literal and inferential; vocabulary; word identification and spelling; skimming and scanning and study reading approaches. Student must read at university level to receive a C in the course; not for non-English speaking students. **Three hours per week.**

130. MATHEMATICAL FOUNDATIONS 3 hours credit
Enhances foundational skills in mathematics. Course consists of four components: computation, introductory algebra, intermediate algebra and formal geometry. Elective credit toward graduation awarded only to those students who meet terminal competencies in all four areas. Students may also enroll in this course to complete state-mandated math requirements and internal credit may be awarded to those students who satisfy such requirements but do not complete all four foundational skill components. **Three hours per week.**

150. SELECTED TOPICS IN DEVELOPMENTAL EDUCATION 1-3 hours credit
Innovative approaches to developmental education. Provides opportunities for curricular experimentation in the developmental studies areas of reading behavior, writing, foundational math skills and critical thinking.

191. SPECIAL TOPICS: TV, COLLEGE OF THE AIR COURSES 1-3 hours credit
Study of a specific academic area. Topic may vary semester to semester. Course may be repeated under different subtitles. Does not meet General Education requirements; only TV course offered through a specific undergraduate department will meet General Education requirements.

Geography - Human (GEOG)

100. INTRODUCTION TO HUMAN GEOGRAPHY 3 hours credit
Introduction to the variable human character of the earth. Contemporary world problems such as population, growth, economic development, urbanization, resource utilization and human alteration of the natural environment are examined from a locational perspective. **Three hours per week.**

199. CONSERVATION AND RESOURCE MANAGEMENT 3 hours credit
Examination of the nature, supply, distribution and use of selected natural resources. Emphasis on practical and efficient utilization of soils, farmland, water, forests, energy and mineral resources. **Three hours per week.**

202. CULTURAL GEOGRAPHY 3 hours credit
Examination of some of the basic concepts of human geography. Emphasis on such subjects as cultural origins and diffusion, perception, settlement forms and the relationship between humans, their culture and the physical environment. **Three hours per week.**

203. ECONOMIC GEOGRAPHY 3 hours credit
Analysis of the locational factors explaining the geographic distribution of economic activity: rural and urban land use, cities, industry, transport and trade, economic development. **Three hours per week.**

208. INTRODUCTION TO PLANNING 3 hours credit
General introduction to the theory and practice of planning at various spatial levels (urban, regional, state and federal). Topics include the reasons for planning, the planning process, the various tasks and responsibilities of professional planners and selected contemporary issues facing planners. **Three hours per week.**

220. HUMANS AND THE ENVIRONMENT 4 hours credit
Interdisciplinary laboratory course in conjunction with the departments of Biology and Chemistry designed for non-science majors to develop awareness of ways earth's environment is influenced by human activities and effects of the environment on human society. Cannot be repeated for credit in the Biology or Chemistry departments; cannot be used to satisfy course requirements within the major. For students in the Honors Program. **Three hours lecture, two hours laboratory per week.**

301. WORLD REGIONS 3 hours credit
Examination of contemporary patterns of life in selected areas of the world from a regional viewpoint. Attention given to the physical environment, resource use, economic activities, demographic and sociocultural characteristics and regional problems. **Prerequisite:** GEOG 100 or 105 or consent of instructor. **Three hours per week.**

302. GEOGRAPHY OF THE UNITED STATES AND CANADA 3 hours credit
Analysis of contemporary patterns of American and Canadian life from a regional perspective. Major topics include the physical environment, resource and land use, economic activities, demographic and sociocultural characteristics, and regional problems. **Prerequisite:** GEOG 100 or 105 or consent of instructor. **Three hours per week.**

310. REGIONAL GEOGRAPHY OF EUROPE 3 hours credit
Regional analysis of contemporary geographic patterns of Europe. Emphasis on physical, economic and political patterns

and regional problems. **Prerequisite:** GEOG 100 or 105 or consent of instructor. **Three hours per week.**

321. REMOTE SENSING OF THE ENVIRONMENT 3 hours credit
Analysis of satellite imagery of the earth's surface. Includes techniques necessary for collection, storage and processing of digital images to analyze environmental problems. **Prerequisite:** Twelve hours in geography or consent of instructor. **Two hours lecture, one two-hour laboratory per week.**

399. INTERNATIONAL FIELD STUDY 3-6 hours credit
On-site study of the geography, history and culture of selected countries. Pre-tour lectures and other activities required. May be repeated once for credit. **Prerequisite:** Consent of instructor.

402. ENVIRONMENTAL PLANNING 3 hours credit
Translation of responsible environmental policies and principles into practical land-use regulations and local and regional planning tools. Emphasis on the landscape and land-use dimensions of environmental planning. **Prerequisite:** GEOG 208 or consent of instructor. **Three hours per week including three one-day field trips.**

404. RURAL SETTLEMENT AND LAND USE 3 hours credit
Analysis of the economic, demographic and spatial patterns of the rural United States. Special attention given to the problems and potentialities of non-metropolitan areas and to land use planning. **Prerequisite:** GEOG 203 or consent of instructor. **Three hours per week.**

406. REGIONAL PLANNING 3 hours credit
Analysis of the spatial incidence of economic growth. Emphasis on the spatial dimension as an important consideration in the theory and practice of economic development planning. **Prerequisite:** GEOG 203 or consent of instructor. **Three hours per week.**

408. URBAN PLANNING 3 hours credit
Examination of theories and policies related to urban development and land use planning, along with techniques for evaluation. Assessment of the urban planning process with case studies. **Prerequisite:** GEOG 208 or consent of instructor. **Three hours per week.**

415. SELECTED PROBLEMS 3 hours credit
Independent study permitting research or in-depth work on a selected topic to be indicated on student's transcript. May be taken twice for credit under different subtitles. Intended for senior with 18 or more hours in geography. **Prerequisite:** Consent of department review committee.

422. READINGS IN GEOGRAPHY 3 hours credit
Permits in-depth study of a selected topic to be indicated on student's transcript. May be taken twice for seniors with 18 or more hours in geography. **Prerequisite:** Consent of department review committee.

450. TOPICS IN GEOGRAPHY 3 hours credit
Analysis of a selected systematic/regional topic to be entered on the student's transcript. May be taken three times for credit under different subtitles. **Prerequisite:** Consent of instructor. **Three hours per week.**

460. INTERNSHIP 1-3 hours credit
Provides students with opportunities to apply geographic/planning theory, techniques and knowledge as practicing professionals. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Approval of the department. **Three hours per week for each credit hour.**

499. GEOGRAPHY HONORS 6 hours credit
Two-semester independent study leading to preparation of an honors thesis and graduation with honors in geography. Students may enroll by invitation of the department only. Specific topic indicated on the student's transcript.

Geography - Methodology (GEOG)

204. SPATIAL ANALYSIS 4 hours credit
Introduction to the basic principles of quantitative analysis in geography. Emphasis on the geographic applications of various techniques rather than on the mathematical bases of the tools. **Prerequisites:** Completion of departmental math requirement or consent of instructor. **Three hours lecture, one two-hour laboratory per week.**

205. CARTOGRAPHY 4 hours credit
Introduction to graphic presentation of data on maps. Attention given to the techniques and problems involved in the compilation, design and production of maps. **Two hours lecture, two hour laboratories per week.**

300. RESEARCH AND WRITING 3 hours credit
Development of research methods in geography. Topics include formulation of problems, establishment of hypotheses, development of structures for testing hypotheses and practice with forms of geographic presentation. Maps, numerical and field methods are used. **Prerequisites:** Twelve hours of geography or completion of departmental math requirement or consent of instructor. **Three hours per week.**

318. LOCAL FIELD COURSE 3 hours credit
Familiarizes students with some of the basic field techniques of geography. Land use field studies and mapping of the rural and urban areas of eastern Maryland scheduled for Sundays. **Prerequisite:** Twelve hours in geography or consent of instructor. **Four hours per week including five one-day field trips.**

319. GEOGRAPHIC INFORMATION SYSTEMS 3 hours credit
Study of automated information handling using geographically referenced data to support spatial analysis. Consideration of and experience in the collection, storage and display of computer manipulated data. Includes hands-on experience with a variety of commercial software GIS packages. **Prerequisites:** GEOG 205, COSC 110 or 112, or consent of instructor. **Two one-hour lectures, one two-hour laboratory per week.**

321. REMOTE SENSING OF THE ENVIRONMENT 3 hours credit
Analysis of satellite imagery of the earth's surface. Includes techniques necessary for collection, storage and processing of digital images to analyze environmental problems. **Prerequisite:** Twelve hours in geography or consent of instructor. **Two hours lecture, one two-hour laboratory per week.**

335. COMPUTER CARTOGRAPHY 3 hours credit
Theory and application of computer graphics to cartography. Emphasis on writing programs which produce computer-generated maps and which apply computer graphics to the solution of geographic problems. **Prerequisites:** GEOG 205, COSC 110, 112 or consent of instructor. **Three hours per week.**

415. SELECTED PROBLEMS 3 hours credit
Independent study permitting research or in-depth work on a selected topic to be indicated on the student's transcript. May be taken twice for credit under different subtitles. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Consent of department review committee.

419. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS **4 hours credit**
Study of current theories and development trends in GIS technology. Emphasis on hands-on working knowledge utilizing ARC or INFO software. **Prerequisite:** GEOG 319 or consent of instructor. **Two one-hour lectures, two two-hour laboratories per week.**

422. READINGS IN GEOGRAPHY **3 hours credit**
Permits in-depth study of a selected topic to be indicated on student's transcript. May be taken twice for credit under different subtitles. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Consent of department review committee.

450. TOPICS IN GEOGRAPHY **3 hours credit**
Analysis of a selected systematic/regional topic to be entered on student's transcript. May be taken three times for credit under different subtitles. **Prerequisite:** Consent of instructor. **Three hours per week.**

460. INTERNSHIP **1-3 hours credit**
Provides students with opportunities to apply geographic/planning theory, techniques and knowledge as practicing professionals. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Approval of the department. **Three hours per week for each credit hour.**

475. FIELD PROBLEMS IN GEOGRAPHY **3-6 hours credit**
Geographic research field experience. Development of a research proposal, collection and analysis of data and the integration of such in a formal research paper. **Prerequisite:** Consent of instructor.

Geography - Physical (GEOG)

105. INTRODUCTION TO PHYSICAL GEOGRAPHY **4 hours credit**
Introduction to the variable physical character of the earth. Treatment of weather, climate, soil, vegetation, landforms and oceanic circulation with emphasis on processes, interrelationships and distributional patterns. **Three hours lecture, one two-hour laboratory per week.**

107. WEATHER AND HUMAN AFFAIRS **3 hours credit**
Comprehensive introduction to weather and its effects on our everyday lives. Influence of human activity on the atmosphere: acid rain, ozone depletion, global warming, nuclear winter. **Three hours per week.**

201. PHYSICAL GEOGRAPHY/WEATHER AND CLIMATE **4 hours credit**
Examination of weather and climate with emphasis on processes and distributional patterns. Interrelationships between climatic controls stressed. **Three hours lecture, one two-hour laboratory per week.**

401. SOIL, WATER AND ENVIRONMENT **3 hours credit**
Study of the role of soil and water in the physical environment and practices used in analyzing and managing these resources. **Prerequisite:** GEOL 103 or 105 or consent of instructor. **Two one-hour lectures; one two-hour laboratory or one field trip per week.**

410. METEOROLOGY **3 hours credit**
Analysis of physical processes and dynamics of the atmosphere. Topics include upper atmospheric flow, forecasting and severe weather. **Prerequisite:** GEOG 201 or consent of instructor. **Three hours per week.**

411. GEOMORPHOLOGY **3 hours credit**
Landform analysis. Study of agents of erosion and deposition—water, wind and ice—and of internal forces which leave visible evidence on the earth's surface. **Prerequisite:** GEOL 103 or consent of instructor. **Four hours per week; three one-day, one three-day field trips.**

413. APPLIED CLIMATOLOGY **3 hours credit**
Analysis of the impact of climate on the physical environment and human behavior. Topics include climatic change, contemporary climatic problems and the influence of climate on agriculture, and energy use. **Prerequisite:** GEOG 201 or consent of instructor. **Three hours per week.**

415. SELECTED PROBLEMS **3 hours credit**
Independent study permitting research or in-depth work on a selected topic to be indicated on student's transcript. May be taken twice for credit under different subtitles. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Consent of department review committee.

422. READINGS IN GEOGRAPHY **3 hours credit**
Permits in-depth study of selected topics to be indicated on student's transcript. May be taken twice for credit under different subtitles. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Consent of department review committee.

450. TOPICS IN GEOGRAPHY **3 hours credit**
Analysis of a selected systematic/regional topic to be entered on student's transcript. May be taken three times for credit under different subtitles. **Prerequisite:** Consent of instructor. **Three hours per week.**

460. INTERNSHIP **1-3 hours credit**
Provides students with opportunities to apply geographic/planning theory, techniques and knowledge as practicing professionals. Intended for seniors with 18 or more hours in geography. **Prerequisite:** Approval of the department. **Three hours per week for each credit hour.**

499. GEOGRAPHY HONORS **6 hours credit**
Two-semester independent study leading to preparation of an honors thesis and graduation with honors in geography. Students may enroll by invitation of the department only. Specific topic indicated on the student's transcript.

Geology (GEOL)

103. INTRODUCTION TO PHYSICAL GEOLOGY **3 hours credit**
Introduction to the nature and character of the earth's crust and the processes which generate and shape its features. Topics include minerals, rocks, earth structure and plate tectonics. **Two hours lecture, one two-hour laboratory per week.**

German (GERM)

101. ELEMENTARY GERMAN **3 hours credit**
Beginning spoken and written German with emphasis on the sound system and the basic structures of the language. Satisfies General Education IB. **Three hours per week.**

102. ELEMENTARY GERMAN II **3 hours credit**
Continued skill development in spoken and written German with further study of major structures. Satisfies General Education IB requirement. **Prerequisite:** GERM 101 or at least one year of high school German. **Three hours per week.**

105. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in GERM 101. **Prerequisite:** Registration in GERM 101 or permission of department chair. **Two hours per week.**

106. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work done in GERM 102. **Prerequisite:** Registration in GERM 102 or permission of department chair. **Two hours per week.**

201. INTERMEDIATE GERMAN **3 hours credit**
Continued development and refinement of language skills with emphasis on reading, writing and vocabulary development. General Education IB requirement. **Prerequisite:** GERM 102 or at least two years of high school German. **Three hours per week.**

202. INTERMEDIATE AND APPLIED GERMAN **3 hours credit**
Continued development, refinement and application of language skills with emphasis on reading, writing and vocabulary development. Satisfies the language requirement for English majors and General Education IB. **Prerequisite:** GERM 201 or at least three years of high school German. **Three hours per week.**

205. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work done in GERM 201. **Prerequisite:** Registration in GERM 201 or permission of department chair. **Two hours per week.**

206. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work done in GERM 202. **Prerequisite:** Registration in GERM 202 or permission of department chair. **Two hours per week.**

310. ORAL AND WRITTEN COMPOSITION **3 hours credit**
Develops facility to sustain oral and written discussion in German. Students practice the basic patterns of German syntax and develop vocabulary by preparing frequent oral and written compositions. **Prerequisite:** GERM 202 or equivalent experience. **Three hours per week.**

312. GERMAN CONVERSATION **3 hours credit**
Develops confidence and correctness in spoken German through practice in pronunciation, dialogues, discussions and oral reports and presentations. **Prerequisite:** GERM 202 or equivalent experience. **Three hours per week.**

350. GERMAN SHORT STORIES **3 hours credit**
Survey of the German short story (Deutsche Novelle) from the 18th century to the present (in translation). A study of this new form of German fiction from its inception in the 18th century through the 20th. Satisfies General Education IA. **Prerequisite:** C or better in ENGL 102. **Three hours per week.**

Health (HLTH)

101. BASIC HEALTH **3 hours credit**
Factors involved in maintaining and improving personal health; analysis of individual health problems. **Three hours per week.**

201. FIRST AID AND SAFETY **3 hours credit**
Introduction to basic information and skills required in situations in which emergency first aid care is needed so that medical assistance is not excessively delayed. Additional topics include personal safety, accident prevention, practical experience in splinting and bandaging, CPR and treatment of specific injuries. Students may be eligible for CPR and first aid certification according to American Red Cross standards. **Four hours per week.**

301. CONTEMPORARY PROBLEMS IN HEALTH EDUCATION **3 hours credit**
Provides preparation for public school teaching in areas such as sex education, drug use and abuse and other current health problems. Involves curriculum planning, methods and materials. **Three hours per week.** *(spring semester only)*

401. COMMUNITY HEALTH **3 hours credit**
Study of the factors involved in improving public health, including a survey of community health problems and resources and the role of the teacher in community health. **Three hours per week.**

410. STRESS AND STRESS MANAGEMENT **3 hours credit**
Provides an understanding of the nature of the stress response and the practical application of stress management techniques. Major topics include the psychophysiology of stress, the role of stress in disease, social engineering, cognitive reappraisal and relaxation training. Useful for personal growth and professional application. **Prerequisites:** BIOL 215, 216. **Three hours per week.** *(fall semester only)*

History (HIST)

101, 102. WORLD CIVILIZATIONS **3 hours credit each**
Survey of major civilizations from prehistoric times to the present emphasizing the economic, social, cultural, intellectual and political trends motivating human beings. **Three hours per week.**

201, 202. HISTORY OF THE UNITED STATES **3 hours credit each**
Survey of the political, economic, social and cultural factors that have shaped the pattern of life in the United States. Particular problems examined in the light of their sources and historical development. HIST 201 goes through 1865 and HIST 202 from 1865 to the present. **Three hours per week.**

210. INTRODUCTION TO WORLD RELIGIONS **3 hours credit**
Introductory survey of the historical development of world religions. Specific examples drawn from such diverse cultural traditions as ancient Babylonian, Judeo-Christian, imperial Chinese and modern American religious movements. Fertility gods and spirits of nature, augury, omens, possession and prophecy are among the topics analyzed. **Prerequisites:** HIST 101, 102. **Three hours per week.**

215. TOPICS IN HISTORY **3 hours credit**
Historical study of particular periods; groups; economic, intellectual and/or social movements; and institutions. May be taken twice under different course titles recorded with the registrar. **Three hours per week.**

225. HOLOCAUST: THE EXTERMINATION OF THE EUROPEAN JEWS **3 hours credit**
Examination of European anti-Semitism from its origins to its culmination in the Holocaust; major emphasis on the treatment of Jews by Nazi Germany and on the reaction of Jews and the outside world to this treatment. **Three hours per week.**

300. THE HISTORIC ARCHAEOLOGY OF MARYLAND'S EASTERN SHORE **3 hours credit**
Introduction to the theory and methodology of historic archaeology. Interdependence of documentary and archaeological evidence stressed. Examines material culture of the period 1600-1850 for the lower Eastern Shore region and relates developments within the region to the general themes influencing the Anglo-American community as a whole. **Three hours per week.**

301. HISTORY OF AMERICAN BUILDINGS **3 hours credit**
Survey of the history of American building traditions, considering construction, form and style in historical, social, economic and cultural contexts. **Prerequisites:** HIST 101, 102. **Three hours per week.**

302. COLONIAL AND REVOLUTIONARY AMERICA (1607-1783) **3 hours credit**
Detailed study of foundations of American civilization. Economic, political, social, cultural and religious factors are emphasized. Consideration of English policy and the revolution are included. **Three hours per week.**

306. THE EMERGENCE OF A NEW NATION: U.S. (1789-1860) **3 hours credit**
Covers such topics as the new government and its policies, nationalism and economic expansion, the common man and the new democracy, social ferment and reform movements, Manifest Destiny, wars and sectional crises. **Prerequisites:** HIST 201, 202. **Three hours per week.**

308. SECTIONAL CONFLICT AND CIVIL WAR **3 hours credit**
Study of the origins, development and outcome of the struggle between the North and South to the end of the Civil War. Emphasis on the clash of national and sectional interests and the course of the military conflict to its conclusion. **Three hours per week.**

309. RECONSTRUCTION AND GILDED AGE **3 hours credit**
Study of the policies and application of presidential and congressional reconstruction; examination of the influence of the post-Civil War industrial boom on politics and society. **Three hours per week.**

310. HISTORY OF ENGLAND TO 1702 **3 hours credit**
Survey of England from Roman times through the reign of William and Mary emphasizing political, legal, economic, social and cultural institutions and trends. **Prerequisites:** HIST 101, 102. **Three hours per week.**

311. HISTORY OF ENGLAND AND GREAT BRITAIN, 1702 TO THE PRESENT **3 hours credit**
Survey of England and Great Britain from the reign of Queen Anne to the present, emphasizing institutional growth and development, the expansion of the empire and Britain's rise to a major world power. **Prerequisite:** HIST 101, 102. **Three hours per week.**

318. HISTORY OF THE ANCIENT NEAR EAST **3 hours credit**
Survey of social, political and religious institutions of the ancient Mesopotamian civilizations of the Sumerians, Babylonians, Hebrews, Assyrians, Hittites and Dynastic Egypt, with emphasis on cultural contributions. **Prerequisites:** HIST 101, 102. **Three hours per week.**

319. ROMAN HISTORY **3 hours credit**
Portrays the rise of Rome from city-state to empire. Emphasis on social and cultural achievements from eighth century B.C. to fourth century A.D. **Prerequisites:** HIST 101, 102. **Three hours per week.**

320. HISTORY OF THE EARLY CHRISTIAN CHURCH **3 hours credit**
Traces the history of Christianity from its origins in Jerusalem to its full organization in the reign of the emperor Justinian. Focus on the rise of episcopal authority, the origins and popular appeal of monasticism and the early papacy. Includes selections from the New Testament, the church fathers of the East and Saint Augustine. **Prerequisite:** HIST 101. **Three hours per week.**

321. HISTORY OF MEDIEVAL EUROPE **3 hours credit**
Survey of culture and institutions of eastern and western Europe from the Age of Constantine to the end of the Hundred Years' War and the fall of Constantinople to the Turks. **Prerequisites:** HIST 101, 102. **Three hours per week.**

322. RENAISSANCE TO REVOLUTION (1450-1815) **3 hours credit**
European developments from the Age of Exploration through the French Revolution, emphasizing the development of early nationalism, absolutism, colonialism, capitalism, the middle classes, religious wars, cultural change and scientific thought. **Prerequisites:** HIST 101, 102. **Three hours per week.**

323. EUROPE IN THE NINETEENTH CENTURY **3 hours credit**
Analysis of developments from the time of Napoleon to 1900 with emphasis on the industrial revolution and imperialism. Considers reorganization of the European state system and origins of the great ideological conflicts. **Prerequisites:** HIST 101, 102. **Three hours per week.**

324. CENTRAL EUROPE SINCE 1815 **3 hours credit**
History of Germany and Austria from the Napoleonic period to the present, concentrating on the problems of German nationalism within the framework of modern Europe. Social, economic and cultural developments also emphasized. **Prerequisites:** HIST 101, 102. **Three hours per week.**

325. HISTORY OF EUROPEAN REVOLUTIONS SINCE 1815 **3 hours credit**
Examination of representative revolutions since the time of Napoleon. Assesses the influence of the French revolution on 19th century uprisings; explores the changed character of revolutions in the 20th century; attempts to construct a revolutionary model. **Prerequisites:** HIST 101, 102. **Three hours per week.**

326. THE FRENCH REVOLUTION AND NAPOLEON, 1789-1815 **3 hours credit**
Study of the French Revolution and the Napoleonic period. **Prerequisites:** HIST 101, 102. **Three hours per week.**

327. THE HABSBURG EMPIRE, 1740-1918 **3 hours credit**
Examination of the Habsburg lands and peoples emphasizing the political, cultural, economic, dynastic and ethnic problems of the monarchy. **Prerequisites:** HIST 101, 102. **Three hours per week.**

330. PROSEMINAR IN HISTORY **3 hours credit**
Survey of selected historians and their philosophies of history. Guides students in the preparation of a formal research paper using primary and secondary sources. Required of history majors; may be taken by any student who has satisfactorily completed HIST 101, 102 and 201 or 202. **Three hours per week.**

332. NATIONAL HISTORY OF MEXICO **3 hours credit**
Development of the Mexican nation with special attention to the war for independence, Caudillo government, reform movement, the dictatorship of Porfirio Diaz and the Revolution of 1910. United States-Mexican diplomatic relations examined. **Three hours per week.**

333. THE ABC POWERS **3 hours credit**
Study of the three South American powers—Argentina, Brazil and Chile—with special emphasis on their constitutional development. Close review of their relationships with the United States. **Three hours per week.**

334. LATIN AMERICAN INSTITUTIONS **3 hours credit**
Study of the major institutions developed in Latin America during the colonial and national periods. **Three hours per week.**

340. HISTORY OF AFRICA TO 1870 **3 hours credit**
Development of indigenous political and social institutions leading to the formation of states and empires. The slave trade and the onset of European imperialism emphasized. **Prerequisites:** HIST 101, 102. **Three hours per week.**

341. HISTORY OF AFRICA: 1870-PRESENT **3 hours credit**
Emphasizes the history and politics of imperialism from the "scramble" for Africa to decolonization. Emphasis on the interaction of African and European institutions. **Prerequisites:** HIST 101, 102. **Three hours per week.**

350. THE MIDDLE EAST TO 1800 **3 hours credit**
Survey of the political, social and economical history of the Middle East from the rule of Islam to the 19th century. Emphasis on the rise and decline of the Arab Caliphates, Persia and the Ottomans. **Prerequisites:** HIST 101, 102. **Three hours per week.**

355. THE MIDDLE EAST SINCE 1800 **3 hours credit**
History of the strategic region from the beginnings of nationalism through the fall of the Ottoman Empire to the current existence of independent states. Emphasis on the historical understanding of the modern situation. **Prerequisites:** HIST 101, 102. **Three hours per week.**

362. CHINESE CIVILIZATION **3 hours credit**
Chinese civilization from its origins in the Bronze Age to the rise of nationalism and communism in the 20th century. Attention divided equally between political and cultural history, emphasizing the development of traditional institutions in Chinese society, as well as art, literature, religion and philosophy. **Three hours per week.**

363. JAPANESE CIVILIZATION **3 hours credit**
Japanese culture and political development from the Familial Age to the present. Equal emphasis on politics, economics, art and architecture, drama and literature, philosophy, and religion as persistent and evolving traditions. **Three hours per week.**

364. MODERN JAPAN **3 hours credit**
Economic, social, cultural and political study of the evolution of Japan from a traditional, isolated and closed society to a Westernized superpower. Emphasis on the 19th and 20th centuries. **Prerequisite:** HIST 102. **Three hours per week.**

370. GREEK HISTORY **3 hours credit**
Historical survey of classical Greek civilization, including political, socio-economic and religious institutions. Particular emphasis on cultural and artistic aspects of Hellenic civilization. **Prerequisites:** HIST 101, 102. **Three hours per week.**

375. TOPICS IN AMERICAN STUDIES **3 hours credit**
Historical study of a particular aspect of American society and culture. May be taken twice under different course titles recorded with the registrar. **Three hours per week.**

377. THE CHANGING ROLE OF WOMEN IN AMERICAN SOCIETY **3 hours credit**
Examines the changing role of women in United States history from colonial times to the present, with particular attention to the family and to traditional political, economic and cultural institutions. **Prerequisite:** HIST 102. **Three hours per week.**

378. WOMEN IN MODERN AMERICA **3 hours credit**
Charts the course of the women's movement in 20th-century America, examining the relationship between organized feminism and changes in public and private lives of women from different class, racial and ethnic backgrounds. **Prerequisite:** HIST 102. **Three hours per week.**

380. THE AMERICAN MILITARY EXPERIENCE **3 hours credit**
Military history enables students to understand better the role played by the armed forces in American society today through a study of the origins and development of military institutions, traditions and practices in the United States, 1775 to the present. **Three hours per week.**

381. WORLD WAR I **3 hours credit**
Study of the events that occurred during World War I, from the assassination of Franz Ferdinand at Sarajevo to the peace of 1919. Emphasis on political developments, social and intellectual implications of the war, and its significance in shaping the 20th century. **Prerequisite:** HIST 102. **Three hours per week.**

382. AMERICAN RELIGIOUS HISTORY **3 hours credit**
Survey of religious developments in America from pre-European settlement to the 20th century. Special attention to relationships among social, cultural and religious changes. **Prerequisites:** HIST 101, 102. **Three hours per week.**

383. HISTORY OF AMERICAN ENTERPRISE **3 hours credit**
Study of the development of the American entrepreneurial spirit and its influence on culture, society and politics from the European heritage to the present. **Three hours per week.**

386. AMERICAN WILDERNESS EXPERIENCE **3 hours credit**
Study of historical factors that contributed to attitudes toward wilderness and preservation efforts. Particular emphasis on American thought with special attention to Thoreau, Cole, Muir and Leopold. **Prerequisite:** HIST 102. **Three hours per week.**

387. RACISM AND DISCRIMINATION **3 hours credit**
Multiperspective historical examination of the nature, origins and growth of racism and discrimination in America, with particular emphasis on the 20th century. **Prerequisites:** HIST 201, 202. **Three hours per week.**

388. CIVIL RIGHTS IN AMERICAN HISTORY **3 hours credit**
History of civil rights in America from the colonial period to the present; emphasis on the application of civil rights legislation to African-Americans and Indians and expansion to include women and others. **Prerequisites:** HIST 201, 202. **Three hours per week.**

390. STUDIES IN WESTERN EUROPE **3 hours credit**
Focused study on particular periods, places, trends or problems in Western Europe. May be taken twice under different course titles recorded with the registrar. **Prerequisite:** HIST 102. **Three hours per week.**

395. MATERIAL CULTURE STUDIES IN AMERICAN HISTORY **3 hours credit**
Introduction to the specialized study of the American past through examination of cultural artifacts and documents relating to them. **Prerequisite:** HIST 201. **Three hours per week.**

399. INTERNATIONAL FIELD STUDY **3-6 hours credit**
On-site study of the geography, history and culture of selected countries. Work in the field preceded by pre-tour lectures. May be taken twice for credit under different subtitles. **Prerequisite:** Consent of instructor.

400. HISTORY OF MARYLAND **3 hours credit**
Study of Maryland history and government from the colonial period to present. Places special stress on the leaders, institutions and contributions made in Maryland and by Maryland to the nation. **Three hours per week.**

401. HISTORY OF U.S. FOREIGN RELATIONS **3 hours credit**
Historical study of U.S. foreign relations from independence to the present, focusing on the global impact of the nation as an economic, cultural, political and military superpower. **Prerequisites:** HIST 201, 202. **Three hours per week.**

405. THE UNITED STATES IN THE TWENTIETH CENTURY I **3 hours credit**
Populism to 1932. Study of the political, economic, intellectual and social problems attending America's rise to world power late in the 19th century, involvement in World War I, the changes attending that conflict and the problems of the 1920s. **Prerequisites:** HIST 201, 202. **Three hours per week.**

406. THE UNITED STATES IN THE TWENTIETH CENTURY II **3 hours credit**
F.D. Roosevelt to the present. Study of the efforts of the United States to resolve the complex problems of the 1930s intensified by the Great Depression, its involvement in World War II and struggles to maintain peace in the post-war world. **Prerequisites:** HIST 201, 202. **Three hours per week.**

407. THE WESTWARD MOVEMENT **3 hours credit**
Study of the westward movement from the Atlantic to the Trans-Allegheny and Trans-Mississippi West, with emphasis upon the influence of the frontiers in shaping American civilization. **Three hours per week.**

408. HISTORY OF THE SOUTH **3 hours credit**
History of the South from the colonial period to the present, covering developments in politics, economics, culture and society. **Three hours per week.**

412, 413. SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES I and II **3 hours credit each**
Studies of American thought as reflected by the people and leaders. Development of American heritage from the colonial period to the present, emphasizing the intellectual, social, religious and economic movements. The first course covers from the colonial period to reconstruction and the second course from about 1876 to present. **Three hours per week.**

417. HISTORY OF SCIENCE AND TECHNOLOGY **3 hours credit**
Survey of evolution of scientific achievements and technology in the Western world, with particular emphasis on the cultural, economic and social implications of these developments. **Prerequisites:** HIST 101, 102. **Three hours per week.**

421. EUROPE IN THE TWENTIETH CENTURY WORLD **3 hours credit**
Study of the economic, social, intellectual and political development of Europe, viewed in the context of world wars, depression and conflicting political ideologies, showing the decline of European dominance and the rise of America and Asia. **Prerequisites:** HIST 101, 102. **Three hours per week.**

423. IMPERIAL RUSSIA **3 hours credit**
Study of the Russia empire from Peter the Great to the 1917 revolution focusing on the political, economic and social developments, Russia's expansion and the conditions that led to revolution. **Prerequisites:** HIST 101, 102. **Three hours per week.**

424. MODERN RUSSIA **3 hours credit**
Survey of the 20th century Russia and the Soviet Union, emphasizing the growth to global power, continuity and change, and the inherent problems that led to Soviet collapse and the rise of a new Russia. **Prerequisites:** HIST 101, 102. **Three hours per week.**

430. READINGS IN HISTORY **3 hours credit**
Readings course for students who have achieved above average in at least 18 hours of history courses. May be taken twice under different course titles recorded with the registrar. **Prerequisite:** Permission of department chair. **Three hours per week.**

435. SENIOR THESIS **3 hours credit**
Individual research and preparation of a thesis by history majors. Topic to be approved by department chair. **Three hours per week.**

440. MINORITY GROUPS IN UNITED STATES HISTORY **3 hours credit**
Attention to the role and contribution of minority groups in general, with special emphasis on some of the larger and older minority groups. **Three hours per week.**

445. AFRICAN-AMERICAN HISTORY **3 hours credit**
Study of the life and role of the African-American from the colonial period to the present. **Three hours per week.**

446. READINGS IN AFRICAN-AMERICAN HISTORY **3 hours credit**
Introduction to past and current literature on African-Americans from 1619 to the present. Students critique, evaluate and discuss readings that depict various facets of the African experience in America. **Prerequisite:** HIST 202. **Three hours per week.**

460. HISTORY OF CHINA SINCE 1800 **3 hours credit**
The revolutionary transformation of China from the 19th century to the present, with emphasis on the impact of imperialism, the profound effects of Western technology and foreign policy wrought by the history of its relations with the West. **Prerequisites:** HIST 101, 102. **Three hours per week.**

470. HISTORY OF THE EARLY ROMAN EMPIRE **3 hours credit**
Study of particular institutions and movements in Roman history. Emphasis on family history and social and religious trends during the early imperial period of Roman history. **Prerequisites:** HIST 101, 102. **Three hours per week.**

472. STUDIES IN CLASSICAL ARCHAEOLOGY **3 hours credit**
Assorted topics and archaeological sites of the ancient Mediterranean world (Crete, Greece and Italy). May be taken twice under different subtitles. **Prerequisites:** HIST 101, 102. **Three hours per week.**

474. HISTORY OF ANCIENT EGYPT **3 hours credit**
Intensive study of three eras of Egyptian history: the Pyramid Age, the chaotic Middle Kingdom and New Kingdom Absolutism. Emphasis on cultural, religious and artistic contributions. **Prerequisite:** HIST 101. **Three hours per week.**

480. MUSEUM STUDIES **3 hours credit**
Work experience course that invites students to learn techniques of museology. Students work in cooperation with various local or regional museums under the supervision and direction of a museum curator. May be taken twice with the consent of the instructor. **Prerequisite:** Written approval of department chair to register. **Three hours per week.**

490. STUDIES IN HISTORY **3 hours credit**
Intensive historical study of particular periods and groups, economic, intellectual, cultural, social movements and/or institutions. May be taken twice under different course titles recorded with the registrar. **Prerequisite:** Consent of department chair. **Three hours per week.**

499. HONORS **3 hours credit**
Independent study, research and conferences undertaken by history majors for departmental honors at the invitation of the department. May not be taken on a pass/no credit basis. **Prerequisites:** Approval of department, 21 hours of coursework in history including HIST 330, minimum 3.5 average in history.

Interdisciplinary Studies (IDIS)

100. FRESHMAN SEMINAR **3 hours credit**
Focus on themes, issues and questions of importance in the liberal arts and sciences. Students must co-register for three General Education courses designated as part of the General Education learning community. Meets the objectives of the college orientation seminar. May be repeated once for credit. **Three hours per week.**

111. HONORS CORE I—CRITICAL THINKING AND WRITING **3 hours credit**
First course in the Bellavance Honors Program core curriculum. Processes for developing and supporting beliefs with clear, unambiguous arguments and evaluating the soundness of the arguments. Practice in reasoning, presentation of sound arguments in oral and written form, and analysis of the use of language to influence thought. **Prerequisite:** Honors Program student. **Three hours per week.**

112. HONORS CORE II—THE WESTERN INTELLECTUAL TRADITION I **3 hours credit**
Second course in the Honors core curriculum. Scrutiny of major intellectual texts which have shaped Western civilization from classical Greece to the Renaissance in order to examine a central issue or idea these texts in part address. **Prerequisite:** IDIS 111. **Three hours per week.**

211. HONORS CORE III—THE WESTERN INTELLECTUAL TRADITION II **3 hours credit**
Third course in the Honors core curriculum. Continued examination of major texts of Western culture from the 17th century to the present in order to explore a central issue or idea these texts in part address. **Prerequisites:** IDIS 111, 112. **Three hours per week.**

212. HONORS CORE IV—SCIENTIFIC KNOWLEDGE **3 hours credit**
Fourth course in the Honors core curriculum. Analysis and discussion of a single problem in science. Students examine the relationships asserted between data and conclusions, suggest alternate hypotheses and design laboratory procedures that test the conclusions drawn. Students also examine the social and ethical implications of scientific findings. **Prerequisites:** IDIS 111, 112, 211. **Three hours per week.**

250. COMPARATIVE RELIGIONS **3 hours credit**
Comprehensive overview of major religious traditions, including Judaism, Islam, Christianity, Hinduism, Buddhism, Taoism and religions of the ancient world. Focus on structural concepts such as the experience of the sacred, the roles of myth and symbolic systems, cosmologies and definitions of the religious community. **Three hours per week.**

278. INTERDISCIPLINARY GENERAL EDUCATION: HUMANITIES **3 hours credit**
Introductory-level General Education interdisciplinary course offered through the cooperation of at least two departments. Topic varies semester to semester. Develops students' abilities to integrate and synthesize ideas about the beauty and truth embodied in the traditional disciplines of the humanities. Students may use only one of the following courses to satisfy General Education IB requirements: IDIS 278 or 478. **Three hours per week.**

279. INTERDISCIPLINARY GENERAL EDUCATION: SOCIAL SCIENCE **3 hours credit**
Introductory-level General Education interdisciplinary course offered through the cooperation of at least two departments. Topic varies semester to semester. Develops students' abilities to integrate and synthesize ideas about the interaction of humans in the social world. Students may use only one of the following courses to satisfy General Education IIB requirements: IDIS 279 or 479. **Three hours per week.**

280. SPECIAL TOPICS IN INTERDISCIPLINARY STUDIES **1-6 hours credit**
Interdisciplinary seminar with content varying semester to semester. May be repeated under different titles for a maximum of six hours. **One to six hours per week.**

311. HONORS INTERDISCIPLINARY SEMINAR **3 hours credit**
Examines an interdisciplinary topic of broad scope and significance. Open to all Honors students; required for those pursuing the General Honors degree designation. May be repeated under different topics. **Prerequisites:** Sophomore standing, permission of Honors director. **Three hours per week.**

424. CURRENT TOPICS IN CONFLICT **3 hours credit**
In-depth, interdisciplinary examination of a current case of domestic or international conflict through investigation of its economic, socio-cultural, political and historical roots, and exploration of the philosophical, political and socio-cultural aspects of its resolution. **Prerequisites:** SOCI 225 or POSC 409, junior/senior class standing. **Three hours per week.**

478. INTERDISCIPLINARY GENERAL EDUCATION: HUMANITIES **3 hours credit**
Upper-level General Education interdisciplinary course offered through the cooperation of at least two departments. Topic varies semester to semester. Expands students' abilities to integrate and synthesize ideas about the beauty and truth embodied in the traditional disciplines of the humanities. Students may use only one of the following courses to satisfy General Education IB requirements: IDIS 278 or 478. **Prerequisites:** Junior standing. **Three hours per week.**

479. INTERDISCIPLINARY GENERAL EDUCATION: SOCIAL SCIENCE **3 hours credit**
Upper-level General Education interdisciplinary course offered through the cooperation of at least two departments. Topic varies semester to semester. Expands students' abilities to integrate and synthesize ideas about the interactions of humans in the social world. Students may use only one of the following courses to satisfy General Education IIB requirement: IDIS 279 or 479. **Prerequisite:** Junior standing. **Three hours per week.**

480. INTERNSHIP IN ENVIRONMENTAL STUDIES **3 hours credit**
Provides opportunities to apply theory, principles and knowledge within a practical experience in a local, state, federal or private organization. Major paper and journal required. **Prerequisite:** Written permission of environmental studies advisor. **Eight hours a week for 14 weeks or equivalent.**

485. WOMEN'S STUDIES/GENDER STUDIES INTERDISCIPLINARY CAPSTONE SEMINAR **3 hours credit**
Examines the central issues and questions in women's studies/gender studies from a contemporary perspective. Addresses the constructs of masculinity and femininity in psychology, education, philosophy, history, English, sociology and art. Readings, lectures and discussion provide a theoretical framework for capstone projects. **Prerequisite:** Completion of 12 credits in the minor. **Three hours per week.**

490. HONORS THESIS PREPARATION **1 hour credit**
Taken in the semester preceding the writing of an Honors thesis. Students select a thesis mentor and committee, do preliminary research on their subject and write a prospectus approved by their thesis committee. Required for students pursuing the General Honors degree designation. **Prerequisite:** Completion of the Honors core curriculum. **One hour per week.** *(P/F)*

495. HONORS SENIOR THESIS **3 hours credit**
Thesis in major field of study. Required for students pursuing the General Honors degree designation. **Prerequisite:** IDIS 490. **Three hours per week.**

Leisure Studies (LEIS)

201. INTRODUCTION TO LEISURE STUDIES **3 hours credit**
Introduction to the concept of leisure dealing with a broad range of issues, concerns, facts and relationships. Study of various conceptualizations of leisure and their implications for humans. **Three hours per week.**

301. THEORIES OF LEISURE **3 hours credit**
Grounds the student in the theoretical approaches to leisure that inform this discipline. Looks closely at the classical humanist identification of leisure as humanity's highest good and at a selection of contemporary theories that provide research models. Emphasis also on the multidisciplinary nature of leisure issues including their expression in some modern fiction. **Prerequisite:** LEIS 201. **Three hours per week.**

305. LEISURE AND SPECIAL POPULATIONS **3 hours credit**
Examination of the specific leisure interests and needs of special populations including the disadvantaged, handicapped, aged and others. Minimum of 10 hours volunteer work required. **Prerequisite:** Sophomore standing. **Three hours per week.**

400. LEISURE SERVICE DELIVERY SYSTEM **3 hours credit**
Study of the processes involved in providing leisure services through a systems perspective. Emphasis on the interrelationships among the participants, the agencies or organizations and the social and physical environment. **Prerequisite:** LEIS 201. **Three hours per week.**

401. LEISURE AND POLICY **3 hours credit**
Provides an understanding of the processes at work in formulating and implementing leisure policies in both the public and private sectors. **Prerequisite:** LEIS 201. **Three hours per week.**

402. PROGRAM PLANNING IN THERAPEUTIC RECREATION **3 hours credit**
Focus on practical application of therapeutic recreation techniques to basic programming for mentally and physically disabled populations in order to enhance their lifestyles. Prepares students for National Council for Therapeutic Recreation certification. **Prerequisite:** LEIS 201 or consent of department chair. **Three hours per week.**

403. THERAPEUTIC RECREATION LEADERSHIP **3 hours credit**
Focus on technical skills staff members in therapeutic recreation (TR) programs can use to implement, promote, organize and evaluate their programs. For upper-level undergraduates and practitioners in the field or related fields. Prepares students for the National Council for Therapeutic Recreational Certification (NCTRC). **Prerequisite:** LEIS 402. **Three hours per week.**

Management Information Systems (ISMN)

111. BUSINESS MICROCOMPUTER USE **1 hour credit**
Laboratory course that familiarizes students with current end-user software such as word processors, spreadsheets and databases. **Two hours per week.**

211. INFORMATION SYSTEMS CONCEPTS FOR MANAGEMENT **3 hours credit**
Introduction to computer-based information systems. Emphasis on the support of organizational operations and management. Computer-based productivity tools used. Students may not receive credit for more than one of the following: ISMN 211, ISMN 370, BUAD 370. **Prerequisite:** ISMN 111. **Three hours per week.**

301. FILE PROCESSING **3 hours credit**
Introduction to the solution of business-oriented data processing problems. Topics include manipulation techniques for sequential, indexed and relatives files; table handling; string manipulation; and subroutines. Students may not receive credit for both ISMN 301 and ISMN 210. **Prerequisite:** COSC 120. **Three hours per week.**

385. TELECOMMUNICATION SYSTEMS MANAGEMENT **3 hours credit**
Concepts and characteristics of telecommunication systems including distributive networks, concentrators and multiplexors, remote terminals, modems and processors. Examination of control hardware and software systems. **Prerequisite:** Junior standing. **Three hours per week.**

386. DATABASE MANAGEMENT SYSTEMS **3 hours credit**
Study of the design, implementation and application of database management systems. Examination of several commercially available systems. **Prerequisite:** ISMN 211. **Three hours per week.**

395. ADVANCED MANAGEMENT SUPPORT SYSTEMS **3 hours credit**
Study of computerized technologies developed to support managerial decision-making. Topics include decision support systems, expert systems, neural computing, artificial intelligence and integration of these technologies. **Prerequisite:** ISMN 211. **Three hours per week.**

455. ADVANCED MICROCOMPUTER APPLICATIONS IN BUSINESS **3 hours credit**
Advanced study of microcomputer applications in business with extensive coverage of database management, decision support and operating systems and the use of standard business software. **Prerequisites:** ISMN 211. **Three hours per week.**

465. GLOBAL INFORMATION TECHNOLOGY MANAGEMENT **3 hours credit**
Analysis of challenges facing business professionals in an increasingly global, technological environment. Emphasis on infrastructure, standards, regulations, and related technological and political issues. **Prerequisite:** ISMN 211. **Three hours per week.**

475. INFORMATION SYSTEMS ANALYSIS AND DESIGN **3 hours credit**
Analysis of the methods and techniques for conducting a systems project with a goal of computerizing a particular business function. **Prerequisites:** ISMN 301, 385, 386. **Three hours per week.**

476. INFORMATION SYSTEMS DEVELOPMENT AND IMPLEMENTATION **3 hours credit**
Technical design, implementation and evaluation of computerized systems. Detailed programming of a typical system, such as inventory control. Successful completion of the experiential component of this course satisfies the ABLE requirement. Students may not receive credit for both ISMN 476 and BUAD 476. **Prerequisites:** ISMN 475. **Three hours per week.**

480. SENIOR SEMINAR IN MANAGEMENT INFORMATION SYSTEMS **3 hours credit**
Study of major research findings, case studies and current issues relevant to management in the era of computer-based information systems and use of standard business software. **Prerequisites:** Senior (90 or more credits) MIS major, ISMN 475 (prereq/coreq). **Three hours per week.**

Mathematical Sciences (MATH)

102. COLLEGE ALGEBRA AND TRIGONOMETRY **4 hours credit**
Applications-oriented college algebra and trigonometry course for students planning to study science or additional mathematics. Emphasizes computational, qualitative, visual and symbolic approaches. Topics include functions and graphs; exponential, logarithmic and trigonometic functions; and difference equations. Credit may not be received for more than one of the following: MATH 102, 118, 122. **Prerequisite:** High school Algebra II. **Four hours per week.**

103. FUNDAMENTAL CONCEPTS I **3 hours credit**
For prospective elementary school teachers. The properties of the natural number system are developed using set concepts. Additional topics include algorithms, numeration systems and extension of the natural number system. Does not satisfy General Education requirements. **Three hours per week.**

104. FUNDAMENTAL CONCEPTS II **3 hours credit**
Continuation of MATH 103. Real numbers, measurements, mathematical systems and mathematical methods. **Prerequisite:** MATH 103. **Three hours per week.**

110. FINITE MATHEMATICS **3 hours credit**
Introduction to functions, graphs, linear programming, probability, computing and additional topics as time permits. For students in the behavioral, biological, management and social sciences. **Three hours per week.**

144. ENVIRONMENTAL MATHEMATICS **3 hours credit**
Systems approach to environmental concepts and problems. A principal tool is the Odum diagrammatic systems language, translated into flow equations which are then implemented by computer models. **Three hours per week.**

151. ELEMENTARY PROBABILITY AND STATISTICS **3 hours credit**
Introduction to elementary probability, probability distribution, descriptive statistics, hypothesis testing and estimation. **Three hours per week.**

155. MODERN STATISTICS WITH COMPUTER ANALYSIS **3 hours credit**
Descriptive and inferential analysis of raw data, emphasizing appropriate assumptions, computer use and interpretation. Consideration of parametric and nonparametric methods and comparison of their powers. **Three hours per week.**

160. INTRODUCTION TO APPLIED CALCULUS **3 hours credit**
Introductory study of differential and integral calculus with emphasis on techniques and applications. For students in the biological, management, social and behavioral sciences. **Three hours per week.**

200. MATHEMATICS AND CULTURE **3 hours credit**
Promotes appreciation of the beauty and structure of mathematics and its role in culture. Mathematical concepts are applied to societal and environmental issues and problems. **Prerequisite:** ENGL 101. **Three hours per week.**

201, 202. CALCULUS I, II **4 hours credit each**
Introduction to analytic geometry, limits, continuity, derivatives of elementary functions, applications of the derivative, integrals, infinite series, applications and techniques of integration. MATH 202 is a continuation of 201. **Prerequisite:** Trigonometry. **Four hours per week each.**

210. INTRODUCTION TO DISCRETE MATHEMATICS **3 hours credit**
Introduction to basic techniques and modes of reasoning for discrete problem solving. Set theory, recurrence relations, counting, graphs and lattices. **Prerequisites:** COSC 120, trigonometry. **Three hours per week.**

290. INTERNSHIP **3 hours credit**
Students work under supervisors in a local firm or public institution in conjunction with an advisor from the department. Usually requires a background in computing or statistics. May be taken twice. **Prerequisite:** Approval of the chair. *(P/F)*

303. SCIENTIFIC COMPUTING **3 hours credit**
Introduction to scientific computing. Exploration of theoretical and experimental problems and their computer-oriented solutions. Introduction of various tools including spreadsheets, mathematical software (e.g. MAPLE), numerical methods and programming languages. Credit may not be received for more than one: COSC/MATH/PHYS 303. **Prerequisites:** COSC 120, MATH 202, PHYS 121 or higher. **Three hours per week.**

306. LINEAR ALGEBRA **3 hours credit**
Basic concepts of vector spaces, linear transformations, matrices, determinants and systems of linear equations. **Prerequisite:** MATH 202. **Three hours per week.**

309. MATHEMATICAL PHYSICS **3 hours credit**
Survey of the most important mathematical tools of classical physics. Topics include coordinate systems, complex algebra, matrix algebra, Fourier series and applications, differential equations (wave equation, Schrodinger's equation), and vector calculus (gradient, divergence, curl, Stokes' and Green's theorems). Credit may not be received for both MATH/PHYS 309. **Prerequisite:** PHYS 223. **Corequisite:** MATH 310. **Three hours lecture per week.**

310. CALCULUS III **4 hours credit**
Arc length, indeterminate forms, Euclidean spaces, functions of several variables, partial differentiation, multiple integrals. **Prerequisite:** MATH 202. **Four hours per week.**

311. DIFFERENTIAL EQUATIONS I **4 hours credit**
Solutions of 1st and 2nd order equations and their applications: separable, exact, homogeneous, linear. Numerical and series solutions of ordinary and partial differential equations. **Prerequisite:** MATH 310. **Four hours per week.**

313. ELEMENTARY SURVEY SAMPLING **3 hours credit**
Peculiarities of sampling and inference commonly encountered in business, the social sciences and natural resources management. Methods for selecting the sample from an existing population and ways for circumventing various difficulties. **Prerequisite:** Statistics/probability course. **Three hours per week.**

314. INTERMEDIATE APPLIED STATISTICS **3 hours credit**
Optimal allocation of sampling units to treatments in order to provide the highest accuracy and lowest cost. Designs compared and contrasted for advantages and disadvantages. Introduces standard computer packages (SPSS, BMD, Minitab, etc.). **Prerequisite:** Statistics course. **Three hours per week.**

360. OPERATIONS RESEARCH **3 hours credit**
Introduction to the fundamental problems of operations research. Topics include mathematical programming, network analysis, simulation, probabilistic decision models, queuing and inventory models. **Prerequisites:** Finite math/linear algebra course, statistics course, computer programming experience. **Three hours per week.**

390. UNDERGRADUATE RESEARCH PROJECT **1-3 hours credit**
Offers study of some area of the mathematical sciences in more depth than is possible in the usual classroom setting. Students work on a project under the direction of faculty members. **Prerequisite:** Department approval. *(P/F)*

402. THEORY OF NUMBERS **3 hours credit**
Basic concepts: integers, prime numbers, divisibility, congruences and residues. **Prerequisite:** MATH 201. **Three hours per week.**

406. GEOMETRIC STRUCTURES **3 hours credit**
Axiomatic development of incidence, ordered incidence, affine and absolute geometries; investigation of Euclidean and non-Euclidean geometries. **Prerequisite:** MATH 201. **Three hours per week.**

409. ADVANCED MATHEMATICAL PHYSICS **3 hours credit**
Survey of the more advanced topics in mathematical physics. Topics include linear operators, complex variables, partial differential equations, Hilbert space and group theory and calculus of variations. **Prerequisites:** MATH 309, 311. **Three hours lecture per week.**

413. MATHEMATICAL STATISTICS I **3 hours credit**
Axioms and algebra of probability, discrete and continuous random variables distribution, multivariate distributions, limit theorems. **Prerequisite:** MATH 310. **Three hours per week.**

414. MATHEMATICAL STATISTICS II **3 hours credit**
Methods of estimating, properties of estimator, hypothesis testing, linear models, least squares, analysis of variance, enumerative data, non-parametric statistics. **Prerequisite:** Math 413. **Three hours per week.**

441. ABSTRACT ALGEBRA **3 hours credit**
Introduction to the theory of groups, rings, integral domains and fields, including basic properties of polynomials. **Prerequisite:** MATH 306 or 310. **Three credit hours per week.**

451. ANALYSIS I **3 hours credit**
Modern abstract analysis including topology of the real number system, sequences, continuity and differentiability. **Prerequisite:** MATH 310. **Three credit hours per week.**

465. MATHEMATICAL MODELS AND APPLICATIONS **3 hours credit**
Mathematical basis for model building; examples of simple models for uncomplicated systems in biology, psychology, business and other fields; finite Markov process; models for growth process. **Prerequisite:** MATH 306. **Three hours per week.**

471. NUMERICAL METHODS **3 hours credit**
Interpolation, functional approximation, numerical differentiation and integration, non-linear equations, systems of linear equations, analysis of error. **Prerequisite:** MATH 311, programming experience.

480. HISTORY OF MATHEMATICS **3 hours credit**
Study of the chronological development of mathematics with emphasis on both the mathematical concepts and the principal contributors to the development of those concepts. **Prerequisite:** MATH 402 or 406 or 441. **Three credit hours per week.**

490. SPECIAL TOPICS **3 hours credit**
Enables study in specialized areas such as complex variables, logic, non-Euclidean geometry or other topics suggested by faculty or students. May be taken twice under different titles recorded by the registrar. **Prerequisite:** (For most topics) MATH 306, 310. **Three hours per week.**

495. DIRECTED CONSULTING **2-4 hours credit**
Provides teams of 3-12 students with experience in using mathematics to solve real-world problems posed by a client organization, such as a research institute, business or industry. Combines individual and group work, and requires presentation of a written and oral report to the client organization and the department. May be taken for a maximum of eight credit hours. **Prerequisite:** Invitation by the department. **Two to four hours per week.**

Medical Technology (MDTC)

101. SAFETY IN THE BIOLOGICAL, CHEMICAL AND CLINICAL LABORATORY **1 hour credit**
Review of laboratory safety. Summary of government laws and regulatory bodies and their effect on lab policy. Illustrations of proper procedures for laboratory hazards. Topics include chemicals, infectious microbes, animals, fire, electrical equipment, radiation, glassware and compressed gases. Training in the use of safety equipment, protective clothing and general first aid. Student may not earn credit for both MDTC 101 and BIOL 115. **One hour per week.**

201. MEDICAL PHYSIOLOGY **4 hours credit**
Presentation of human physiology at the cell and organ levels to include the nervous, skeletomuscular, cardiovascular, excretory, digestive, respiratory and endocrine systems. Emphasis on normal function and medical relevance. **Prerequisite:** General biology or BIOL 122. **Three hours lecture, two hours laboratory per week.**

300. PRINCIPLES OF MEDICAL TECHNOLOGY **4 hours credit**
Introduction to the clinical laboratory sciences including safety, ethics, diagnostic and prognostic use of testing, specimen collection and handling, quality control, macroscopic and microscopic analysis of urine and bodily fluids, as well as a general overview of the disciplines of laboratory medicine. Lab testing includes phlebotomy, blood cell counting, differential determinations, spectrophotometry, urinalysis and body fluid examination. **Prerequisite:** Permission of instructor. **Three hours lecture, two hours laboratory per week.**

301. HEMATOLOGY I **4 hours credit**
Hematopoiesis, red blood cell production and destruction, non-neoplastic leukocyte disorders and lupus erythematosus; blood cell metabolism and hemoglobin synthesis. Laboratory focuses on normal/abnormal patient differentiation using CBC, microscopic analysis and clinical correlations. **Prerequisite:** Permission of instructor. **Three hours lecture, three hours laboratory per week.**

311. CLINICAL MICROBIOLOGY I **4 hours credit**
Study of bacterial disease and diagnostic methods through review of bacterial physiology and biochemistry as related to lab identification protocols. Emphasizes bacterial isolation from anatomical sites in both compromised and normal hosts and studies antibiotics by modes of action and susceptibility patterns. **Prerequisite:** Permission of instructor and BIOL 323. **Three hours lecture, three hours laboratory per week.**

341. PRINCIPLES OF CLINICAL CHEMISTRY **5 hours credit**
Clinical analytes assayed on a routine basis in the clinical chemistry laboratory. Normal physiology as well as change of analyte in disease is presented related to carbohydrate, protein and mineral metabolism; evaluation of kidney, liver, cardiac and pancreatic function; enzymology, electrolyte and acid-base balance; blood gases, laboratory mathematics and quality control. **Prerequisite:** Permission of instructor. **Four hours lecture, three hours laboratory per week.**

401. HEMATOLOGY II **3 hours credit**
Lymphomas, leukemias, myeloproliferative and myelodysplastic syndromes, plasma cell dyscrasias, special hematology procedures and hemostasis. Topics include cytochemical staining, coagulation assays, bleeding disorders and quality control. **Prerequisites:** MDTC 301, permission of instructor. **Two hours lecture, three hours laboratory per week.**

402. HEMATOLOGY III **3 hours credit**
Advanced instruction and laboratory experience in hematology and coagulation. Lecture and laboratory conducted in a clinical laboratory under the supervision of registered laboratory scientists. Students apply knowledge of prerequisite coursework to the daily operation of the hematology laboratory. **Prerequisites:** MDTC 301, 401. **Five hours lecture, 35 hours laboratory per week.**

403. URINE AND BODY FLUID ANALYSIS **1 hour credit**
Advanced study of the physical, chemical and microscopic analysis of urine and body fluids under the supervision of registered laboratory scientists in a clinical setting. Students apply knowledge of prerequisite coursework to daily operation to include instrumentation, quality assurance and significance of normal and abnormal results. **Prerequisites:** MDTC 300, consent of instructor. **Five hours lecture, 35 hours laboratory per week.**

411. CLINICAL MICROBIOLOGY II **4 hours credit**
Study of human viral, fungal and parasitic pathogens. Emphasis on body sites where these pathogens cause disease and on microscopic, biochemical and molecular methods utilized to identify them. Parasitology includes life cycles with emphasis on human acquisition. **Prerequisites:** MDTC 311, permission of instructor. **Three hours lecture, three hours laboratory per week.**

412. CLINICAL MICROBIOLOGY III **3 hours credit**
Advanced study of clinical microbiology conducted in a clinical setting under the supervision of registered laboratory scientists. Students apply knowledge of prerequisite courses to the operation of automated equipment, processing and interpretation of routine, fungal and mycobacterial cultures, antimicrobial susceptibility testing, virology, parasitology specimens and quality control. **Prerequisites:** MDTC 311, 411 and consent of instructor. **Five hours lecture, 35 hours laboratory per week.**

413. CLINICAL IMMUNOLOGY **1 hour credit**
Advanced study of diagnostic immunology in a clinical setting under the supervision of registered laboratory scientists. Students apply knowledge of prerequisite coursework to problems of instrumentation, quality assurance and significance of normal and abnormal results. **Prerequisites:** MDTC 411, BIOL 333 and consent of instructor. **Five hours lecture, 35 hours laboratory per week.**

431. IMMUNOHEMATOLOGY I **3 hours credit**
Lecture and laboratory related to the study of blood group antigens, antibodies and transfusion therapy. Topics include antigen typing, atypical antibody identification, donor screening and phlebotomy, component preparation and therapy, cell metabolism and preservation, HLA typing and paternity testing, quality control, hazards of transfusion and medicolegal issues. **Prerequisite:** Permission of instructor. **Two hours lecture, three hours laboratory per week.**

432. IMMUNOHEMATOLOGY II **3 hours credit**
Advanced instruction and laboratory experience in immunohematology. Lecture and laboratory conducted in a clinical laboratory under the supervision of registered laboratory scientists. Students apply knowledge of prerequisite coursework to the daily operation of the clinical immunohematology laboratory including donor screening, phlebotomy and processing; component therapy; cellular antigen and antibody identification and compatibility; transfusion risk and quality control. **Prerequisite:** MDTC 431. **Three hours lecture, 35 hours laboratory per week.**

441. ADVANCED CLINICAL CHEMISTRY **4 hours credit**
Advanced clinical chemistry topics including immunochemistry, radioactivity, chromatography, toxicology, therapeutic drug monitoring, quality control and method evaluation. Emphasis related to human endocrinology, gastric and muscle function, genetic defects, vitamin and lipid metabolism. **Prerequisite:** MDTC 341. **Three hours lecture, three hours laboratory per week.**

442. AUTOMATED CLINICAL CHEMISTRY **2 hours credit**
Advanced study of clinical chemistry, respiratory therapy and computer operations in a clinical setting under the supervision of registered laboratory scientists. Students apply knowledge from prerequisite courses to the operation of automated and manual equipment, troubleshooting, assessment of normal and abnormal values as related to routine analyte pathology, assurance of accuracy and precision of laboratory data. **Prerequisites:** MDTC 341, 441. **Five hours lecture, 35 hours laboratory per week.**

443. SPECIAL CLINICAL CHEMISTRY **3 hours credit**
Advanced instruction and laboratory experience in specialized clinical chemistry. Lecture and laboratory conducted in a clinical laboratory under the supervision of registered laboratory scientists. Students apply knowledge of prerequisite coursework to the daily operation of the clinical laboratory to include operation of automated and manual equipment, troubleshooting, assessment of normal and abnormal laboratory data as related to pathology for analytes measured on a non-routine basis. Study of specialized procedures involving endocrinology and therapeutic drug monitoring. **Prerequisites:** MDTC 341, 441. **Five hours lecture, 35 hours laboratory per week.**

451. INSTRUMENTATION AND AUTOMATION **1 hour credit**
Introduction to medical electronics and instrumentation. Topics include circuitry, electrical measurement, computerization, flame photometry, atomic absorption, fluorescence, nephelometry, automation and instrument troubleshooting. **Prerequisite:** Permission of instructor.

461. ORGANIZATION AND MANAGEMENT OF THE LABORATORY **2 hours credit**
Lecture and practical applications of theories of management and administration to the organization of the clinical laboratory. A unit on education including educational theory, adult education and continuing education. Students prepare written reports on projects concerning these topics throughout the course. Topics include medicolegal issues, impacts of federal regulations on health care, and budget and finance. **Prerequisite:** Permission of instructor. **Two hours lecture.**

471. CLINICAL SEMINAR **1 hour credit**
Case studies and examples of "classes" of disease that exemplify the "total" laboratory picture for the student. Physician lectures as well as interdisciplinary and clinical conferences. **Prerequisite:** Permission of instructor. **One hour lecture per week.**

490. INDEPENDENT STUDY **1-3 hours credit**
Intensive study in a specific area of medical laboratory technology negotiated between student and faculty member. May be taken twice under different course subtitles recorded with the registrar. **Prerequisite:** Permission of instructor. **Lecture, laboratory hours per week depend on topic.**

Military Science (MISC)

105. ORGANIZATIONAL LEADERSHIP I **1 hour credit**
Concepts of leadership and management skills at basic organizational levels covered; practical exercises employing leadership concepts used; interpersonal communications, decision-making/problem-solving processes and confidence-building skills stressed. **One hour per week.**

106. ORGANIZATIONAL LEADERSHIP II **1 hour credit**
Highlights organization of the Army, fundamentals of leadership, first aid and problem-solving techniques. Covers thorough orientation to map reading and land navigation. Includes involvement in the spring awards ceremony, providing freshmen military science students their first exposure to drill and ceremonies. Includes field trip that tests leadership fundamentals by giving each student an opportunity to be in charge of a 10-12 person group as they negotiate a series of obstacles. The field trip also enhances group decision-making skills. **Prerequisite:** MISC 105 or consent of chair. **One hour per week.**

205. MILITARY SKILLS I **2 hours credit**
Introduces students to basic soldier skills as they apply to life-leadership situations. Emphasis on physical fitness and diet/nutrition reinforces "health as a lifestyle." Drills, ceremonies and management simulations teach teamwork and group dynamics in both the leader and follower roles. Includes mandatory weekly drill and one field training exercise. **Prerequisite:** MISC 105 or 106 or consent of chair. **Three hours per week.**

206. MILITARY SKILLS II **2 hours credit**
Focuses on developing communication and leadership skills in students. Emphasis on military skills, including small unit tactics, drill and ceremonies, and map reading. Written and oral communications skills tested and improved. Mandatory weekly drills and occasional field trips. **Prerequisite:** MISC 205 or consent of chair. **Three hours per week.**

290. INDIVIDUAL DIRECTED STUDIES **1-2 hours credit**
Students in basic ROTC course explore military science topics in depth. Students outline projects with department chair. May be repeated for a maximum of six credits. **Prerequisite:** Consent of department chair.

301. PHYSICAL TRAINING LEADERSHIP **1 hour credit**
Prepares cadets for participating in and conducting Army physical training sessions. Emphasizes proper conduct of exercises, formation runs and handling formations. Students must take the Army physical fitness test monthly. May be taken twice for credit. **Prerequisite:** Eligibility for admission to ROTC advanced course. **Three hours per week.**

305. APPLIED LEADERSHIP I
Military leader's role in today's Army. Emphasis on military drill, basic weapons familiarity and basic military skills. Stresses knowledge of small unit leadership positions. Mandatory weekly drill. **Prerequisites:** MISC 105, 106, 205, 206; or Basic Camp; or consent of instructor. **Five hours per week.**

306. APPLIED LEADERSHIP II **3 hours credit**
Completes cadets' preparation for ROTC advanced camp. Covers military tactics at squad and platoon levels, land navigation and military skills. Mandatory weekly drill. **Prerequisite:** MISC 305. **Five hours per week.**

310. SMALL UNIT LEADERSHIP **1 hour credit**
Supplemental, concurrent practicum for MISC 306. Students practice military, tactical and leadership skills in a series of weekend field exercises in preparation for ROTC advanced camp. **Prerequisite:** Admission to advanced ROTC course. **Hours variable, three weekend training exercises.**

405. MILITARY MANAGEMENT I **3 hours credit**
Emphasis on leadership assignments, effective management of resources, preparation, conduct, evaluation of training and military professional ethics. Prepares cadets for leadership assignments in the Army. Mandatory physical training and weekly drill. **Prerequisite:** MISC 306. **Seven hours per week.**

406. MILITARY MANAGEMENT II **3 hours credit**
Focuses on military professional ethics, military law, officer development, counseling techniques, individual leadership assignments and preparation for commissioning as a second lieutenant in the United States Army. Mandatory physical training and drill. **Prerequisite:** MISC 405. **Seven hours per week.**

410. MILITARY MANAGEMENT LAB **2 hours credit**
In-depth exploration of military staff skills. Topics include decision-making, mission analysis, staff estimates and staff studies. Cadets practice in a lab setting and plan and review cadet battalion activities. **Prerequisite:** Assignment to cadet battalion staff. **Three hours per week.**

490. ADVANCED INDIVIDUAL DIRECTED STUDIES **1-3 hours credit**
Students in advanced ROTC course meet contractual requirements through in-depth study of military science topics. Outline projects with department chair. May be repeated for a maximum of three credits. **Prerequisite:** Consent of the department chair.

Modern Foreign Languages (MDFL)

101. ELEMENTARY LANGUAGE STUDY I **3 hours credit**
Exploration and study of languages not normally in the fixed curriculum. May be repeated once under a different subtitle. **Three hours per week.**

102. ELEMENTARY LANGUAGE STUDY II
Second semester opportunity for exploration and study of languages not normally offered in the fixed curriculum. May be repeated once under a different subtitle. Satisfies General Education IB. **Three hours per week.**

241. THE FRENCH PEOPLE **3 hours credit**
Study of contemporary French culture. The uniqueness of French mentality is studied through the language, the traditions and customs of the people. Taught in English. **Three hours per week.**

245. THE GERMAN PEOPLE **3 hours credit**
Cross-cultural approach to the study of the German culture through the language, traditions and the lifestyle of the people. Taught in English. **Three hours per week.**

246. THE RUSSIAN PEOPLE **3 hours credit**
Focus on the people of Russia. Major topics include culture, politics, nationalism, health care, education, religion, ethnic conflict. Provides students with a well rounded view of Russian society as it exists today. Taught in English. **Three hours per week.**

248. STUDIES IN CONTEMPORARY CULTURES **3 hours credit**
Exploration and study of the ways of life and contemporary culture of peoples of the industrialized world not normally studied as a part of the fixed curriculum. May be repeated once under a different subtitle. Taught in English. **Three hours per week.**

300. STUDIES IN FRENCH LITERATURE IN TRANSLATION **3 hours credit**
Study of an author, period, movement, genre or theme. Topic varies semester to semester. Taught in English. May be repeated once with new content and different subtitle. **Prerequisite:** ENGL 102 or consent of department chair. **Three hours per week.**

399. INTERNATIONAL FIELD STUDY
On-site study of the geography, history and culture of selected foreign countries. Work in field preceded by pre-tour lectures.

Music (MUSA, MUSC)

100. UNIVERSITY CHORALE **1 hour credit**
Non-auditioned ensemble of mixed SATB voices which performs a variety of choral literature from all music periods and styles. Membership open to all students. Some singing ability and understanding of musical notation expected. May be repeated for General Education IB credit. **Two hours per week.**

101. UNIVERSITY BAND **1 hour credit**
Non-auditioned ensemble open to all University wind and percussion students who wish to continue their performance experience at the university level. Performances include select athletic events, on-campus functions and special activities. May be repeated for General Education IB credit. **Two hours per week.**

102. JAZZ ENSEMBLE **1 hour credit**
Study and performance of a variety of jazz styles ranging from the "Big Band" sound to contemporary and "fusion" forms and development of jazz improvisation skills. Membership open to all students. May be repeated for General Education IB credit. **Prerequisite:** Strong performance background, sight-reading skills, comprehensive musicianship preferred. **Two hours per week.**

103. CHAMBER MUSIC ENSEMBLES **1 hour credit**
Study, rehearsal and performance of selected works for small ensembles, both vocal and instrumental (designated by the department for any given semester). Advanced students with prior performing experience and full-time undergraduate students only. May be repeated for General Education IB credit. **Prerequisites:** Audition, approval of the instructor/department in writing. **Two hours per week.**

105. SYMPHONY ORCHESTRA **1 hour credit**
Study and performance of standard orchestral literature and contemporary compositions. Membership required of string majors; open to wind and percussion students by audition. May be repeated for General Education IB credit. **Four hours per week.**

106. CHAMBER CHOIR **1 hour credit**
Selected choral ensemble whose members assume individual responsibility for professionalism, commitment, awareness of musical objectives and excellence in performance. Attendance at all rehearsals mandatory; outside preparation required to equalize differing levels of ability. Required for voice majors; open to all students by audition only. May be repeated for General Education IB credit. **Four hours per week.**

107. WIND SINFONIA **1 hour credit**
Select ensemble of wind and percussion instrumentalists. Performance of "chamber" and "large" ensemble repertoire spanning all musical epochs. Required of instrumental music majors; open to non-majors by audition only. Attendance at all rehearsals and performances mandatory. May be repeated for General Education IB credit. **Four hours per week.**

108. CLASS VOICE I **2 hours credit**
Introduction to vocal techniques through voice placement, breathing, tone production and diction. Recommended for the general student as well as students interested in musical theatre and communication arts. Includes introduction to art song literature and musical theatre repertoire. **Two hours per week.**

109. CLASS VOICE II **2 hours credit**
Continued vocal techniques through voice placement, breathing, tone production and diction. Recommended for the general student as well as students interested in musical theatre and communication arts. Includes art song literature and musical theatre repertoire. **Two hours per week.**

111. THE DEVELOPMENT OF POPULAR MUSIC IN AMERICAN CULTURE **3 hours credit**
Popular music from the Revolutionary War to present examined in light of social, political, cultural and technological influence and change. **Three hours per week.**

112. CREATIVITY AND ELECTRONIC/ ACOUSTIC MUSIC **3 hours credit**
Stylistic, technical and intuitive aspects of music examined through listening, discussion and creative exercises. Students explore their creative potential in music and are familiarized with newer techniques of composition including synthesized music. **Three hours per week.**

114. MUSIC APPRECIATION **3 hours credit**
Historical survey of musical styles and forms from the Renaissance, Baroque, Classical and Romantic periods to the music of the 20th century. Required of music majors; open to the general student. **Three hours per week.**

115. EXPLORING AND ENJOYING MUSIC **3 hours credit**
Examines the perceptive listening and understanding of the great classics in music. Students introduced to each work through filmstrips, recordings and other audiovisual materials. Open to the general student. **Three hours per week.**

120. BASIC MUSIC THEORY **3 hours credit**
Principles of music construction based on the laws of music theory in Western culture. Emphasis on the nature of tone and the organization of tones in melody and harmony utilizing the basic language of keys, scales, chords and notation. **Three hours per week.**

131. ACCOMPANYING **1 hour credit**
Designed for ensemble work in instrumental and vocal studies. Four semesters required for majors with keyboard emphasis. **Prerequisite:** Permission of instructor. **Two hours per week.**

138. APPLIED MUSIC I **1-2 hours credit**
Study of fundamental skills appropriate to the instrument or voice with survey of basic literature. **Prerequisite:** Entrance audition, permission of chair. **One half-hour meeting per week per credit.**

139. APPLIED MUSIC II **1-2 hours credit**
Continues MUSC 138 with study of fundamental voice or instrument skills and survey of relevant literature. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 138. **One half-hour meeting per week per credit.**

200. FUNDAMENTALS **3 hours credit**
Develops understanding of musical notation and skills in reading and performing music by singing, playing the piano, simple harmony, melody and rhythm instruments and conducting. **Three hours per week.**

203, 204. THEORY I AND II **3 hours credit each**
Sight reading, ear training, and written and keyboard harmony techniques applied to development of reading, part-writing and

aural skills through simple chromaticism, modulation and transposition. **Prerequisite:** MUSC 200 or approval of instructor. **Three hours per week.**

205, 206. CLASS PIANO I AND II 2 hours credit each
Group piano instruction with individual help, to develop fundamental piano techniques and pianistic style through acquaintance with a wide variety of piano literature. Each course may be repeated once for credit. **Prerequisite:** MUSC 200 or equivalent; Piano I a prerequisite to Piano II. **Two hours per week.**

209, 210. CLASS GUITAR I AND II 2 hours credit each
Fundamentals of six-string guitar techniques, chords and basic classical guitar using musical notation, accompaniment styles, melodies and appropriate literature. Each may be repeated once for credit. **Prerequisite:** MUSC 200 or approval of instructor; Guitar I a prerequisite to Guitar II. **Three hours per week.**

211. INSTRUMENTAL TECHNIQUES: STRINGS AND WOODWINDS 2 hours credit
Introduction to traditional musical instruments and their development in Western culture. Basic techniques of tone production demonstrated and practiced. In the string family, use of the bow, pizzicato and seating of the fingers are applied to violin and violoncello, and secondarily to viola and brass viol; in the woodwind, proper embouchure, breathing, tonguing and slurring, and fingering are applied to the flute and clarinet and secondarily to piccolo, low clarinets, saxophone and representative double reed instruments. **Prerequisite:** MUSC 200 or approval of instructor. **Three hours per week.**

212. INSTRUMENTAL TECHNIQUES: BRASS AND PERCUSSION 2 hours credit
Introduction to traditional musical instruments and their development in Western culture. Basic techniques of tone production demonstrated and practiced. In the brass family, proper embouchure, breathing, tonguing and slurring, fingering and other means of changing pitch are applied to trumpet and trombone and secondarily to French horn, baritone and tuba; in the percussion, proper handling and playing techniques are applied to drums, cymbals, mallet-played instruments, miscellaneous percussion instruments and Latin American instruments with characteristic rhythmic activity and pattern. **Prerequisite:** MUSC 200 or approval of instructor. **Three hours per week.**

213. SINGER'S DICTION I 1 hour credit
Introduction to the international phonetic alphabet (IPA) and the application of English and Italian diction to contemporary English and 18th century Italian art song literature. Required for voice majors. **Corequisite:** Applied voice study. **One hour per week.**

214. SINGER'S DICTION II 1 hour credit
Continued study of the international phonetic alphabet (IPA) and the application of English and Italian diction to contemporary English and 18th century Italian art song literature. Required for voice majors. **Prerequisite:** Applied voice study (coreq), MUSC 213. **One hour per week.**

238. APPLIED MUSIC III 1-2 hours credit
Continues MUSC 139 with study of fundamental voice or instrument skills and survey of relevant literature. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 139. **One half-hour meeting per week per credit.**

239. APPLIED MUSIC IV 1-2 hours credit
Continues MUSC 238 with study of fundamental voice or instrument skills and survey of relevant literature. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 238. **One half-hour meeting per week per credit.**

303, 304. THEORY III AND IV 3 hours credit each
Continued sight reading, keyboard and aural skills, with drill in advanced melodic, harmonic and rhythmic dictation. Detailed application to the keyboard of four-part diatonic and chromatic harmonic patterns. Tertian harmonic progressions through secondary chords, more remote modulation and chromaticism. Theory IV includes quintile and quartile harmonies, 12-tone composition and other prevailing 20th century techniques. **Prerequisite:** MUSC 204. **Three hours per week.**

305, 306. MUSIC HISTORY I AND II 3 hours credit each
Music from earliest times to the present, including changing theories of form and composition. Analysis and comparison of prevailing styles in music by representative composers. Music History I covers ancient music through early Baroque. Music History II covers the mature Baroque period through the present, including music of non-Western cultures. **Prerequisite:** MUSC 104 or consent of instructor. **Three hours per week.**

310. CONDUCTING AND SCORE READING 3 hours credit
Application of basic conducting patterns in expressing a variety of styles, dynamics and tempi; analysis of conductor's score and rehearsal techniques in both choral and instrumental music. **Prerequisite:** MUSC 200 or equivalent. **Three hours per week.**

313. SINGER'S DICTION III 1 hour credit
Continues study of diction through application of the international phonetic alphabet (IPA) and German and French diction to German "Lieder" and French "Melodie." Required for voice majors. **Prerequisites:** Applied voice study (coreq), MUSC 214. **One hour per week.**

314. SINGER'S DICTION IV 1 hour credit
Continued study of diction through application of the international phonetic alphabet (IPA) and German and French diction to German "Lieder" and French "Melodie." Required for voice majors. **Prerequisites:** Applied voice study (coreq), MUSC 313. **One hour per week.**

315, 316. CLASS PIANO III AND IV 2 hours credit each
Continuation of skills developed in Piano I and II plus keyboard harmony through simple modulation, transposition, improvisation and accompaniment techniques and ensemble playing. **Prerequisites:** MUSC 200, 205, 206 or equivalent proficiency level as determined by instructor. Piano III is a prerequisite for Piano IV. **Three hours per week.**

322. ARTS ADMINISTRATION 3 hours credit
Introduction to administrative skills for fine and performing arts: programming, budget, public relations, audience development, fund raising and case studies of arts organizations. **Prerequisite:** Department chair approval. **Three hours per week.**

338. APPLIED MUSIC V 1-2 hours credit
Continues MUSC 239 with study of fundamental voice or instrumental skills and survey of relevant literature. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 239. **One half-hour meeting per week per credit.**

339. APPLIED MUSIC VI 1-2 hours credit
Continuation of MUSC 338. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 338, permission to prepare for a public recital. **One half-hour meeting per week per credit.**

390. DIRECTED INDEPENDENT STUDY 1-3 hours credit
Tutorial for students who need and are qualified to do specialized independent study in areas not covered by courses offered in any semester. May include research in a selected musical form, composer or style, individual study and completion of specified exercises in one area of music theory

or composition, or individual study of an instrument to develop specialized performance skills; all projects culminating in appropriate evaluation. May be repeated for a maximum of six credits. **Prerequisite:** Approval in writing of department chair and supervising faculty member prior to registration, with the area of work to be specified in writing.

400. RENAISSANCE AND BAROQUE MUSICAL STYLES 3 hours credit
Philosophy, musical forms and styles of the period 1500-1750; study of representative vocal and instrumental music by outstanding composers of the period. **Prerequisite:** MUSC 104 or equivalent. **Three hours per week.**

401. MUSICAL STYLES OF THE 18TH AND 19TH CENTURIES 3 hours credit
Philosophy, musical forms and styles of the period 1750-1900; study of representative vocal and instrumental music by outstanding composers of the period. **Prerequisite:** MUSC 104 or equivalent. **Three hours per week.**

403. THE HISTORY OF THE PIANOFORTE AND ITS LITERATURE 3 hours credit
Comprehensive study of the piano and its predecessors. Traces the history of keyboard instruments, emphasizing the ways in which the development of the instruments interacted with the development of keyboard literature and performance practices. Includes familiarization with the principal keyboard composers, performers and instrument makers from earliest times to the present. **Prerequisites:** MUSC 200, 110, 104 or approval of instructor. **Three hours per week.**

406. THEORY OF ELECTRONIC MUSIC 3 hours credit
Theoretical approach to the practical application of music synthesis through reading, listening, analysis and studio experience. **Prerequisite:** MUSC 112 or permission of instructor. **Three hours per week.**

408. MODERN MUSIC 3 hours credit
Emergence of new developments from late romantic music through serial and electronic music, including influences of jazz and consideration of social forces and current world events. **Prerequisite:** MUSC 104 or equivalent. **Three hours per week.**

409. INTRODUCTION TO ETHNOMUSICOLOGY 3 hours credit
Study of music of world cultures not associated with the traditional study of Western art music with emphasis on the musics of Eastern Europe; the Near, Middle and Far East; Africa; the Pacific Islands; and native America. **Prerequisites:** MUSC 104 or 110 and 200 or approval of instructor. **Three hours per week.**

410. CHURCH MUSIC 3 hours credit
Designed for the practicing or potential church musician. A practical course dealing with all aspects of the church music program. **Prerequisite:** Approval of instructor. **Three hours per week.**

411. APPLIED MUSIC I 1-2 hours credit
An advanced course in performance techniques using a wide variety of literature. A solo recital (alone or sharing a program with other students) encompassing music of many styles and periods is a required culmination. Students will elect one performing medium (piano or voice or organ or other instrument) and must have completed the fourth course in the sequence for the instrument as a prerequisite. Each course may be repeated for credit once.

412. APPLIED MUSIC II 1-2 hours credit
Advanced course in performing techniques using a wide variety of literature. A solo recital (alone or sharing a program with other students) encompassing music of many styles and periods as a required culmination. Students elect one performing medium (piano, voice, organ or other instrument) and must have completed the fourth course in the sequence for the instrument as a prerequisite. Each course may be repeated once for credit.

416. AMERICAN MUSIC 3 hours credit
Analysis of musical forces and styles as they reflect the nation's development and America's unique contributions to the growth of music as an art form. **Prerequisite:** MUSC 104 or equivalent. **Three hours per week.**

417, 418. CLASS PIANO V AND VI 2 hours credit each
Continuation of technical and performance skills from Piano IV. For students who require additional study for applied music or for those who wish to continue study below the applied music level.

420. HISTORY OF THE ART SONG 3 hours credit
Study of the history, interpretation and poetic content of Italian, French, German and English art song from the Baroque period to the present. Requires score study as well as textual and musical analysis of representative works with emphasis on compositional styles and performance practices. **Prerequisite:** MUSC 314 or permission of instructor. **Three hours per week.**

422. INTERNSHIP IN ARTS ADMINISTRATION 6-12 hours credit
Training in local, regional or national arts organizations; selected areas of programming, budget, fund raising, audience development and public relations. May be taken once. **Prerequisites:** MUSC 322, department chair approval. **Twenty to 40 hours per week.** *(P/F)*

425. MUSICAL FORM AND ANALYSIS 3 hours credit
Study of the organizing principles of musical composition and their application to the most prevalent forms through the sonata-allegro and fugue. Analysis of music literature illustrating the basic vocal and instrumental forms and some original composition in these forms. **Prerequisite or corequisite:** MUSC 303. **Three hours per week.**

426. ARRANGING FOR VOICES AND INSTRUMENTS 3 hours credit
Fundamental techniques of scoring for various cappella and accompanied voice combinations, special characteristics of each choir of instruments, range of voices, selection on suitable literature for treatment in different ensembles, with considerations of style. **Prerequisite or corequisite:** MUSC 304. **Three hours per week.**

427. COUNTERPOINT 3 hours credit
Upper-level elective theory course based on traditional species of counterpoint pedagogy. Emphasis on principles of melodic construction and part-writing. **Prerequisite:** MUSC 204. **Three hours per week.**

428. MAINSTREAMING THE SPECIAL LEARNER IN MUSIC 3 hours credit
Consideration of types of special learners, educational requirements under the law, classroom management and musical activities adapted to special learners. Degree credit allowed for one of the following: EDUC 467, 480 or MUSC 428. **Three hours of lecture per week.**

435. CHORAL LITERATURE 3 hours credit
Class investigation and evaluation of choral music for all voice combinations appropriate for elementary school through senior high school and adult ensembles. **Prerequisite:** Approval of instructor. **Three hours per week.**

438. APPLIED MUSIC VII 1-2 hours credit
Continues MUSC 339 with study of fundamental voice or instrument skills and survey of relevant literature. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 339. **One half-hour meeting per week per credit.**

439. APPLIED MUSIC VIII **1-2 hours credit**
Continuation of MUSC 438 with a concentration on selected literature appropriate for a public recital. Must be approved by chair. **Prerequisite:** Successful panel evaluation at the conclusion of MUSC 339. **One half-hour meeting per week per credit.**

440. MODERN MARCHING BAND: TECHNIQUES AND MATERIALS **3 hours credit**
Detailed work-survey of traditional marching band styles and their adaptation to current trends. **Prerequisite:** Approval of instructor. **Three hours per week.**

441. INSTRUMENTAL LITERATURE **3 hours credit**
Class investigation and evaluation of new methods and materials for bands, orchestras and instrumental ensembles. **Prerequisite:** Approval of instructor. **Three hours per week.**

450. STUDIES IN MUSIC **3 hours credit**
Study of a single composer, musical form, performance medium or technique, or topic in music education. Topic varies semester to semester. May be taken twice for credit. Possible prerequisite(s) listed according to topic by semester. **Three hours per week.**

490. DIRECTED INDEPENDENT STUDY **1-3 hours credit**
Tutorial in any area of music; open to seniors and graduate students. May include continuation of a skills development program begun in the lower-level independent study course, or any type of individual research in music not normally included in courses offered by the department, or individual study of an area needed for teacher certification but not offered by the department in the current semester. Approval in writing of department chair and supervising faculty member prior to registration, with the area of study to be specified in writing. May be repeated for a maximum of six credits.

Nursing (NURS)

309. FOUNDATIONS OF PROFESSIONAL NURSING **3 hours credit**
Concepts and theories of nursing science in the framework of current health needs including ethical, legal, economic, political and historical perspectives. Explores the role of the nurse emphasizing clinical interventions in health care. Highlights professional communication and critical thinking. **Prerequisites:** BIOL 211, 334; PSYC 300; admission to major. **Three hours per week.**

310. NURSING CARE OF ADULTS I **3 hours credit**
Theory related to nursing care of adults with common health problems who need to maintain or regain optimal levels of functioning. Emphasizes problem solving through use of a variety of resources; examines trends and issues relevant to health care in rural communities. **Prerequisites:** NURS 309, 319 (prereq/coreq); BIOL 217, 334; CHEM 121, 122; PSYC 300. **Three hours per week.**

311. NURSING CARE OF ADULTS I CLINICAL **3 hours credit**
Application of beginning health assessment skills, nursing knowledge and concepts from the biological and behavioral sciences. Students provide nursing care to adults with common health alterations in acute and long-term care settings and examine trends in gerontological nursing. **Prerequisite/corequisite:** NURS 310. **Nine hours per week.**

319. HEALTH ASSESSMENT **3 hours credit**
Functional health assessment of individuals from adolescence through older adulthood. Students practice health assessment skills in clinical settings with people of varied ages, social, cultural and economic backgrounds. **Prerequisites:** BIOL 334; CHEM 121, 122; NURS 309 (prereq/coreq); PSYC 300. **Five hours per week.**

325. LIFE AND DEATH ISSUES IN HEALTH CARE: THE ETHICAL PERSPECTIVE **3 hours credit**
Identification, analysis and evaluation of contemporary problems that have resulted from new breakthroughs in biomedicine. Topics include physician-patient relationship, euthanasia, social control, experimentation, genetic engineering, the health care system. Emphasis on developing an ethical framework to deal with these and future biomedical issues. Students cannot receive credit for both NURS 325 and PHIL 315. **Three hours per week.**

329. RESEARCH METHODS IN NURSING **3 hours credit**
Provides an understanding of the research process with opportunities to develop critical analysis skills in reading current nursing research and opportunities for conducting limited clinical research projects at a beginning level. **Prerequisites:** NURS 309, MATH 151 or 155. **Three hours per week.**

330. CONCEPTUAL FOUNDATIONS FOR NURSING **2 hours credit**
Provides conceptual framework for nurse generalist roles and for leadership and change in nursing practice. Introduces the nursing process, nursing's human need theory and selected concepts of nursing research. Emphasizes ethical, legal and historical perspectives in nursing. Exploration of holism, adaptation and systems theories. **Prerequisite:** Admission to accelerated program track. **Two hours lecture per week.**

340. NURSING TECHNOLOGIES AND HEALTH ASSESSMENT I **3 hours credit**
Use of nursing process to assess the health status of clients of all ages. Focuses on development of selected assessment techniques and psychomotor skills. Emphasizes science and technology and their importance to nursing practice. **Prerequisite:** Admission to accelerated program track. **Three hours lecture/demonstration per week.**

341. NURSING TECHNOLOGIES AND HEALTH ASSESSMENT II **2 hours credit**
Builds upon Nursing Technologies and Health Assessment I. Students develop competencies in comprehensive health assessments and the performance of advanced psychomotor skills. Ethical issues in science and technology are examined. **Prerequisite:** NURS 340. **Two hours lecture/demonstration per week.**

350. NURSING CARE OF ADULTS II **3 hours credit**
Advanced study of the theory necessary for providing nursing care to seriously ill adults from illness through rehabilitation and recovery. Examines trends in provision of critical and rehabilitative care in rural settings and selected issues related to women's health. **Prerequisites:** NURS 310, 311, 319, 329 (prereq/coreq). **Three hours per week.**

351. NURSING CARE OF ADULTS II CLINICAL **3 hours credit**
Advanced clinical course in caring for adults as they progress from serious illness through rehabilitation and recovery. Clinical sites include acute care, specialty rotations (ICU, ER, CCU), home health agencies and rehabilitation settings. **Prerequisite/corequisite:** NURS 350. **Nine hours per week.**

360. NURSING CARE OF CHILDREN AND ADOLESCENTS: A FAMILY CENTERED APPROACH **3 hours credit**
Theory related to nursing care of children and adolescents with acute and chronic disorders. Integrates concepts from previous courses in the natural, behavioral and nursing sciences and introduces theories of structure, development and function of families. **Prerequisites:** NURS 310, 311, 319, 329 (prereq/coreq). **Corequisite:** NURS 361. **Three hours per week.**

361. CARE OF CHILDREN AND ADOLESCENTS CLINICAL **3 hours credit**
Prepares beginning practitioners to provide nursing care to children, adolescents and their families in a variety of rural health settings. Clinical practice will be guided by the objectives of Healthy People 2000. **Corequisites:** NURS 360. **Nine hours per week.**

370. MATERNAL NEWBORN NURSING: A FAMILY CENTERED APPROACH **3 hours credit**
Theory related to nursing care of childbearing families in rural communities. Explores social and health care issues related to changing needs of women across the life span. **Prerequisites:** NURS 310, 311, 319, 329 (prereq/coreq). **Corequisite:** NURS 371. **Three hours per week.**

371. MATERNAL NEWBORN NURSING CLINICAL **3 hours credit**
Provides nursing care to the child-bearing family in primary and acute care settings. Applies selected theories related to structure, development and function of families. Clinical practice will be guided by the objectives of Healthy People 2000. **Corerequisite:** NURS 370. **Nine hours per week.**

380. PSYCHIATRIC-MENTAL HEALTH **3 hours credit**
Theory related to the prevention and nursing care of individuals and families with psychosocial problems. Focuses on communication with clients in community and hospital settings with emphasis on mental illness in rural areas. Considers mental health needs of all age groups with special regard for cultural differences. **Prerequisites:** PSYC 302; NURS 310, 311, 319, 329 (prereq/coreq). **Three hours per week.**

381. PSYCHIATRIC-MENTAL HEALTH CLINICAL **3 hours credit**
Clinical application of nursing theory and process focused on the prevention and nursing care of psychosocial problems in individuals and families. Focus on therapeutic communication with clients in a psychiatric hospital and clients with psychosocial needs in the community. **Corequisite:** NURS 380. **Nine hours per week.**

405. NURSING EXTERN SEMINAR **3 hours credit**
Supervised practicum to assist students in applying the nursing process. Explores concerns of the beginning practitioner including role conflict and role transition, clarification of values and reality shock. Students refine skills in assertiveness, clinical decision making, application of change theory and conflict resolution, and participate in activities of employed registered nurses. **Prerequisite:** NURS 321 or 465 and NURS 451 with a C or better. **Corequisite:** Placement in a health care agency with one-to-one RN preceptorship and clinical contact of 30 hours per week.

415. SPECIAL TOPICS IN NURSING **1-3 hours credit**
Study of a selected area of nursing. Topics may vary semester to semester. Provides an opportunity for curriculum innovation or meeting the special needs or interests of undergraduate and graduate students. May be repeated for credit under different subtitles. **One to three hours lecture, zero to two hours laboratory per week.**

430. COMMUNITY HEALTH NURSING: A RURAL PERSPECTIVE **3 hours credit**
Focus on the theory of health of families, aggregated and communities with complex needs. Explores political, ethical, legal and socio-cultural climates and theory related to the health care needs of an aging population. **Prerequisites:** NURS 351, 361, 371, 381, 431 (coreq). **Three hours per week.**

431. COMMUNITY HEALTH NURSING PRACTICUM: A RURAL PERSPECTIVE **3 hours credit**
Prepares beginning practitioners to work with families, aggregates and communities in rural settings. Clinical practice guided by the objectives of Healthy People 2000 and the use of critical thinking skills. **Corequisite:** NURS 430. **Three hours per week.**

440. SENIOR SEMINAR **3 hours credit**
Provides a conceptual understanding of leadership and management processes in the health care system. Explores past, present and emerging roles of the professional nurse including political, economic and professional issues. **Prerequisite:** Completion of all required 300-level NURS courses. **Three hours per week.**

441. INTERNSHIP **3 hours credit**
Precepted practicum with emphasis on application of nursing process, theory and skills in nurse generalist practice. Integrated nursing knowledge, values and skills in caring for groups of clients while developing leadership and management strategies. **Prerequisite/corequisite:** NURS 440. **Nine hours per week.**

450. NURSING THROUGH THE LIFE CYCLE I **6 hours credit**
Use of the nursing process to assist individuals of all ages in meeting basic human needs. Emphasizes application of theories and concepts from the biological, physical, behavioral and nursing sciences in highly structured situations that focus on health promotion and health maintenance. **Prerequisite/corequisite:** Admission to accelerated program track, NURS 330. **Two hours lecture, eight hours clinical per week.**

451. NURSING THROUGH THE LIFE CYCLE II **5 hours credit**
Use of the nursing process with child-bearing and child-rearing families. Focuses on assisting clients to promote, maintain or regain health. Students apply theories and concepts from the biological, physical, behavioral and nursing sciences in structured situations and function as responsible members of the health care team. **Prerequisites:** NURS 330, 340, 450, BIOL 334. **Two hours lecture, six hours clinical per week.**

454. HEALTH EDUCATION OF CLIENTS **3 hours credit**
Theoretical content and practical application of the principles and methodologies of effective health education of individuals, families and groups. Emphasis on use of the teaching-learning process in assisting client adaptation and promoting quality health care. Through use of a micro-teaching laboratory the student can demonstrate and analyze a variety of teaching skills. Development of teaching plans, behavioral objectives and evaluation tools also stressed. **Three hours per week.**

456. PHARMACOTHERAPEUTICS **3 hours credit**
Nursing interventions relating to application of pharmacotherapeutic principles in assisting client adaptation in primary, secondary and tertiary health care settings. Special emphasis on drug interactions, drug dependence, toxicology. **Three hours lecture per week.**

457. CULTURAL CONSIDERATIONS IN NURSING **2 hours credit**
A basis for application of concepts, theories and methodologies from transcultural nursing to the practice of the health professional. Particular emphasis on the influence of culture on human response to health and illness. **Prerequisite:** Junior standing/consent of instructor. **Two hours per week.**

460. NURSING RESEARCH SEMINAR **2 hours credit**
The role of the baccalaureate nurse, a research consumer and beginning researcher. Highlights importance of the role, increases understanding of the research process and strengthens abilities to critically analyze current nursing research. Introduction to computer usage familiarizes students with a standard computer package (SPSS). **Prerequisites:** MATH 114/151, NURS 300. **Two hours per week.**

465. NURSING PROCESS AND ALTERATIONS IN HEALTH I **6 hours credit**
Use of the nursing process with individuals and families. Focus on assisting clients dependent upon nursing care to maintain and regain health. Application of theories and concepts from the biological, physical, behavioral and nursing sciences in structured situations is stressed. Students assume responsibilities as members of the health care team. **Prerequisite/corequisite:** NURS 451. **Two hours lecture, eight hours clinical per week.**

466. NURSING PROCESS AND ALTERATIONS IN HEALTH II **6 hours credit**
Use of the nursing process to assist individuals, families and groups experiencing complex health problems in maintaining/regaining health. Emphasizes integration of concepts from the biological, physical, behavioral and nursing sciences in moderately structured situations. Students apply leadership principles as decision makers, change agents and responsible members of the nursing team. **Prerequisite:** NURS 465. **Two hours lecture, eight hours clinical per week.**

475. NURSING PROCESS AND COMMUNITIES **5 hours credit**
Use of the nursing process to assist individuals, families, groups and communities in meeting complex health needs. Emphasizes integration of scientific concepts in the provision of nursing services in structured and unstructured situations. Students serve in leadership roles in the community as members of the interdisciplinary health team. **Prerequisite/corequisite:** NURS 466. **Two hours lecture, six hours clinical per week.**

480. PHYSICAL ASSESSMENT **3 hours credit**
Holistic approach to the evaluation of an adult client's level of wellness from biological, psychological, sociological and cultural perspectives. Emphasis on preparing students with the beginning knowledge and skills necessary to perform a physical examination. **Three hours lecture-demonstration, two hours independent practice per week.**

485. SCHOOL HEALTH **3 hours credit**
Current issues relevant to the health of school-age children and adolescents. Topics include roles of teachers and health professionals, current health problems and approaches to specific health problems. Intended for students in education and health-related professions. **Prerequisite:** PSYC 300/EDUC 300/consent of instructor. **Three hours per week.**

490. INDEPENDENT STUDY **1-3 hours credit**
Intensive study in a specific area of nursing agreed upon by the student and faculty member. Open to senior and graduate students. May be taken twice under different course subtitles recorded with the registrar. **Prerequisite:** Written consent of instructor who will direct the study, chair of the department and director of the graduate program in nursing, if graduate credit is sought.

495. DIMENSIONS OF PROFESSIONAL NURSING **4 hours credit**
Examines social, economic and political forces impacting health care and nursing roles in complex organizations. Provides framework for development of specialized nursing roles. Students integrate organization and role theories as leaders and change agents in a variety of health care settings. **Prerequisite:** Completion of semester III in the accelerated program track. **Two hours lecture, six hours clinical per week.**

Philosophy (PHIL)

101. INTRODUCTION TO PHILOSOPHY **3 hours credit**
Invites students to philosophize, asking and creatively responding to basic questions about human existence which are usually left un-asked, e.g., are we free, what is the self, what value should we live for? **Three hours per week.**

103. CRITICAL THINKING **3 hours credit**
Develops abilities to reason effectively, analyze problems, identify issues, critically evaluate evidence, argue logically and reach and defend justifiable conclusions. **Three hours per week.**

202. INTRODUCTION TO SYMBOLIC LOGIC **3 hours credit**
Provides a basic introduction to logic, emphasizing modern symbolic methods. Nature of formal deductive proof is given special attention. **Three hours per week.**

203. ETHICS **3 hours credit**
Helps students develop a personal framework for ethical action. Emphasis on identification of ethical theories; applications to contemporary problems utilized as exercises to strengthen each student's own ethical position. **Three hours per week.**

206. CONTEMPORARY MORAL ISSUES **3 hours credit**
Examines the major moral and political problems of our age as encountered in the areas of politics, law, business, criminal justice, etc. Students develop political and moral frameworks from which to analyze and evaluate the issues. **Three hours per week.**

215. PHILOSOPHY OF HUMAN NATURE **3 hours credit**
Exploration of the various dimensions of human experience, from the active life of work and politics to the contemplative life of philosophy and religion. Comparisons and contrasts of modern frameworks such as behaviorism, existentialism and Marxism with the classical and medieval views of human nature. **Three hours per week.**

220. CAREER FULFILLMENT AND THE PUBLIC GOOD **3 hours credit**
Discussion of work, career, vocation in light of the public good. Analyzes the crisis of meaning that work presents in a post-industrial society. Uncovers the underlying essence of one's life work as it relates to the public good through discussion of specific fields of work and related ethical problems. **Three hours lecture per week.**

300. PHILOSOPHY OF ART AND BEAUTY **3 hours credit**
Analysis of the complexity of problems concerning the nature of beauty and artistic value. Topics include attempts to define "the aesthetically pleasing," the role of formal and sensuous components in a work of art, the relationships of art to emotions and to intellect, the debate about the "moral" component of art, the dialogue between the artist and the beholder, the nature of value judgments and role of the critic. **Three hours per week.**

302. HISTORY OF MODERN PHILOSOPHY **3 hours credit**
Surveys the development of philosophy from the Renaissance to the 19th century and includes a study of Descartes, Hume, Kant and Hegel. **Prerequisite:** One philosophy course/consent of instructor. **Three hours per week.**

303. CONTEMPORARY PHILOSOPHY **3 hours credit**
Examines the development of contemporary thought. Surveys major movements such as pragmatism, linguistic philosophy, process philosophy and existentialism. **Prerequisite:** One philosophy course/consent of instructor. **Three hours per week.**

305. POLITICAL PHILOSOPHY **3 hours credit**
Examines political reality as the public place where people come together to speak and act, freely and equally, and thereby become more fully human. Students develop a model of political speech and action (from a dialogue with the tradition) and apply that model to contemporary political problems. **Prerequisite:** One philosophy course/consent of instructor. **Three hours per week.**

306. METAPHYSICS **3 hours credit**
Examines a variety of philosophical theories which propose a portrait of reality as a whole and are evaluated in terms of their ability to respond to ultimate questions we raise about being, matter and the absolute. Considers whether it is possible for us to achieve a comprehensive knowledge of reality. **Prerequisite:** One philosophy course/consent of instructor. **Three hours per week.**

308. ANCIENT PHILOSOPHY **3 hours credit**
Study of philosophy in the Greco-Roman world from the Presocratics to the Neo-Platonists. Special emphasis on Plato and Aristotle. **Prerequisite:** One philosophy course/consent of instructor. **Three hours per week.**

309. MEDIEVAL PHILOSOPHY **3 hours credit**
The absorption of Greek philosophical concepts by Christianity, Judaism and Islam. Study of the great medieval systems constructed to strengthen revealed religions and the skeptical revolts against them. Augustine to the medieval mystics. **Prerequisite:** One philosophy course/consent of instructor. **Three hours per week.**

310. STUDIES IN PHILOSOPHY **3 hours credit**
Examines in depth a philosophical theme, the thought of an individual philosopher, a particular type of philosophizing or a particular period in the history of philosophy. Content varies semester to semester. May be taken more than once under different subtitles. **Three hours per week.**

312. EASTERN PHILOSOPHIES **3 hours credit**
Philosophical view of our four major Eastern thought systems (Confucianism, Taoism, Hinduism, Buddhism). Emphasis on the problems of what it is to be a self and how the self is related to other selves, nature and a transcendent ground of being. Concludes by examining some contemporary attempts to integrate Eastern visions and concepts into Western philosophy. **Three hours per week.**

315. LIFE AND DEATH ISSUES IN HEALTH CARE: THE ETHICAL PERSPECTIVE **3 hours credit**
Identification, analysis and evaluation of contemporary problems resulting from the new breakthroughs in biomedicine. Topics include physician-patient relationship, euthanasia, experimentation, social control, genetic engineering, the health care system. Emphasis on developing an ethical framework to deal with these and future biomedical issues. Students cannot receive credit for both NURS 325 and PHIL 315. **Three hours per week.**

316. PHILOSOPHY AND FEMINISM **3 hours credit**
Examines the theoretical basis of several traditions which define women as "other" or "special" or "different from" the human standard (male), along with some of the social and personal consequences this has. Also looks at contemporary redefinitions of what it is to be female/male/human and the rights and obligations that logically follow from legal and social recognition of woman's full humanity. **Three hours per week.**

318. ENVIRONMENTAL RESPONSIBILITY **3 hours credit**
Focus on two central questions: How does our manner of encountering non-human entities affect how they become meaningful for us? How might we best formulate our obligations to the earth's diverse ecosystems and the creatures populating them? Satisfies General Education IB. **Three hours per week.**

320. AMERICAN PHILOSOPHY **3 hours credit**
Study of major American philosophers, with emphasis on the pragmatic tradition of Pierce, Dewey, James and Mead and the contribution of contemporary American thinkers to the problems of metaphysics, value analysis and political philosophy. **Three hours per week.**

321. LOVE, MARRIAGE AND FAMILY: PHILOSOPHICAL REFLECTIONS **3 hours credit**
Examines the nature of friendship, romantic love, parental responsibility and the relationship of sexuality and love. Special emphasis given to the moral responsibilities involved in these areas of life. **Three hours per week.**

325. PHILOSOPHY OF RELIGION **3 hours credit**
Promotes understanding of religious experience by focusing on a variety of its aspects, such as worship, prayer, vocation, mysticism, secularity and the encounter with evil. **Prerequisite:** One philosophy course or consent of instructor. **Three hours per week.**

326. A PHILOSOPHY OF REVERENCE **3 hours credit**
Studies Plato's text, the *Republic*, and its major themes: the nature of wisdom, justice, art, good government, the soul and obedience to transcendent values. **Prerequisite:** One philosophy course or consent of instructor. **Three hours lecture per week.**

328. A DEFENSE OF THE COMIC VIEW OF LIFE **3 hours credit**
Examines various kinds of comic experience. Special attention given to the relationship between tragedy and comedy and to absurdist and religious views about the meaning of human life as a whole. **Prerequisite:** One philosophy course or consent of instructor. **Three hours lecture per week.**

330. THEORY OF KNOWLEDGE **3 hours credit**
Examines the sources, types, methods, structure and validity of knowledge. A study is made of classical, modern and contemporary sources of meaning, truth and perception giving students an acquaintance with, and appreciation of, the scope and limits of knowledge. **Prerequisite:** One philosophy course or consent of instructor. **Three hours per week.**

399. HONORS INTERDISCIPLINARY STUDIES **3 hours credit**
Examines topics of broad trans-disciplinary scope and interest in conjunction with one or more other departments. Cross-listed with the departments of Sociology and Political Science; may be taken twice for credit under different subtitles. **Prerequisite:** Permission of Honors Program director. **Three hours per week.**

402. THE PROBLEM OF GOD **3 hours credit**
Involves students in thinking through the ultimate questions philosophy asks about God's nature and existence. Attention given to a variety of themes, including the relationship between God and nature, the personhood of God, atheism and the meaningfulness of human speech about God. **Prerequisite:** One philosophy course or consent of instructor. **Three hours per week.**

403. EXISTENTIALISM **3 hours credit**
Close look at the basic human problems of self, God and others as seen from the existentialist perspective. Major themes of alienation, authenticity, freedom, commitment and dread are traced from their roots in the 19th century philosophies of Kierkegaard and Nietzsche to contemporary expressions by Sartre, Camus, Heidegger and Buber, et al. **Prerequisite:** One philosophy course or consent of instructor. **Three hours per week.**

406. PHILOSOPHY OF SCIENCE **3 hours credit**
Critical examination of the philosophical problems common to the natural sciences, such as the nature of scientific laws and theories, and problems involved in scientific explanation. **Prerequisite:** One philosophy course or consent of instructor. **Three hours per week.**

450. PHILOSOPHICAL CONCEPTS IN LITERATURE **3 hours credit**
Examines a philosophical theme (e.g., existentialism, tragedy) as reflected in works of literature. Theme varies semester to semester. **Prerequisites:** ENGL 101, 102 and one philosophy course or consent of instructor. **Three hours per week.**

475. SEMINAR IN PHILOSOPHY **3 hours credit**
Offers advanced students in philosophy an opportunity to research and reflect on an issue or theme more thoroughly and intensely than is possible in an ordinary course. Content varies semester to semester. May be repeated for credit with faculty approval. **Prerequisite:** Consent of instructor. **Three hours per week.**

490. INDEPENDENT STUDY **1-3 hours credit**
Tutorial course in a specific problem of philosophy, a particular philosopher or a particular period of philosophy. Open to junior and senior students, conditional on faculty member's consent. May be repeated for credit with faculty approval. **Up to three hours per week.**

Physical Education (PHEC)

103. SELF-DEFENSE **1 hour credit**
Application of knowledge of pressure points and leverages in the protection of one's self. **Two hours per week.** *(P/F)*

105. BEGINNING SWIMMING **1 hour credit**
Fundamental skills of swimming with emphasis on basic stroke and safety techniques. **Two hours per week.** *(P/F; fall semester only)*

106. PERSONALIZED HEALTH/FITNESS **3 hours credit**
Study and practice of principles that affect human health. Emphases on physical fitness, stress management, nutrition and weight control with specific personalized techniques for optimizing health. **Four hours per week.**

107. PERSONALIZED HEALTH/FITNESS II **1 hour credit**
Provides students opportunities to explore additional physical activity experiences to achieve the health/fitness goals established in PHEC 106. **Prerequisite:** PHEC 106. **Two hours laboratory per week.** *(P/F)*

121. BASKETBALL **1 hour credit**
Fundamental skills, techniques, rules and strategy of basketball. **Two hours per week.** *(P/F; spring semester only)*

123. BEGINNING GOLF **1 hour credit**
Fundamental skills, techniques, rules and strategy of golf. **Two hours per week.** *(P/F)*

125. RACQUETBALL **1 hour credit**
Fundamental skills, rules and strategy of racquetball techniques. **Two hours per week.** *(P/F)*

126. BEGINNING TENNIS **1 hour credit**
Fundamental skills, techniques, rules and strategy of tennis. **Two hours per week.** *(P/F)*

146. VOLLEYBALL **1 hour credit**
Fundamental skills, techniques, rules and strategy of volleyball. **Two hours per week.** *(P/F)*

147. BADMINTON **1 hour credit**
Fundamental skills, techniques, rules and strategy of badminton. **Two hours per week.** *(P/F)*

150. INTERMEDIATE TENNIS **1 hour credit**
Thorough coverage of intermediate skills, strategy, rules and scoring through participation in the sport. **Two hours per week.** *(P/F)*

170. INTERMEDIATE SWIMMING **1 hour credit**
Refines and increases the student's fundamental skills of swimming. Covers crawl stroke, elementary backstroke, breast stroke, sidestroke, inverted breast stroke, back crawl stroke, trudgeon, double trudgeon, trudgeon crawl, butterfly stroke and basic diving skills. **Prerequisite:** Beginning swimming/ equivalent skill level. **Two hours laboratory.** *(P/F)*

185. INTRODUCTION TO ATHLETIC TRAINING **1 hour credit**
Introduction to the educational and professional requirements necessary to become a certified athletic trainer. Exposure to the daily operations of an athletic training facility and the job responsibilities of all members of a sports medicine team. **Two hours lecture per week for first seven weeks of semester.**

203. ADVANCED LIFESAVING **1 hour credit**
Emphasis on methods, skills and knowledge involved in self-rescue and emergency rescue of others. May lead to American Red Cross advanced lifeguarding certification for those who qualify. **Prerequisite:** Intermediate swimming skills, 500 yards continuous swimming. **Three hours per week.**

205. SWIMMING AND AQUATIC SAFETY **2 hours credit**
Introduction to aquatics, administration of pools and instructional programs of pools. May lead to American Red Cross water safety instructor certification for those who qualify. **Prerequisite:** PHEC 203/current American Red Cross or YMCA advanced lifesaving certificate. **Two and one-half hours per week.** *(spring semester only)*

210. SCUBA DIVING **3 hours credit**
Fundamental skills, techniques, knowledge and laws of scuba diving. Emphasis on safety and recreational diving. **Prerequisite:** PHEC 105/equivalent skill level. **Three hours per week.**

229. TECHNIQUES AND STRATEGIES OF ADVANCED GYMNASTICS **1 hour credit**
Application of basic tumbling skills and fundamentals of gymnastics. Analysis of teaching methods, lesson planning and progression. Emphasis on advanced skills and organization. **Two and one-half hours per week.**

240. TECHNIQUES AND STRATEGIES OF AQUATIC PROGRAMS **1 hour credit**
Application of fundamental skills in basic swimming strokes, diving skills and water safety. Analysis of teaching methods, history and introduction to scope of aquatics and aquatic programming. **Prerequisite:** Intermediate swimming ability. **Two and one-half hours per week.** *(fall semester only)*

250. INTRODUCTION TO HUMAN MOVEMENT STUDIES **3 hours credit**
Introduction to historical and philosophical perspectives of human movement. Self-assessment and value clarification in relation to human movement studies and professional services in the field.

255. MOTOR LEARNING **3 hours credit**
Study of motor learning behavior oriented specifically to motor skill acquisition and performance. **Prerequisite:** PHEC 250 or consent of instructor. **Three hours per week.**

290. SELECTED STUDIES IN PHYSICAL EDUCATION **1-2 hours credit**
Provides opportunities for short-term needs of students and/ or faculty. Affords avenue for course experimentation and innovation at the introductory level. May be repeated under different subtitles for a maximum of six credits.

313. PREVENTION AND TREATMENT OF ATHLETIC INJURIES **3 hours credit**
Analysis of the importance of training in preventing injuries, diagnosis and treatment of injuries, first aid techniques and procedures. **Three hours per week.** *(fall semester only)*

317. NUTRITION, HEALTH AND HUMAN PERFORMANCE **3 hours credit**
Examines human metabolism in relation to health and human performance. Analysis of nutrient pathways from ingestion, digestion, absorption and utilization provides the foundation for an understanding of nutrition, weight control, eating disorders and thermoregulatory processes. **Prerequisite:** BIOL 217. **Three hours per week.**

330. ATHLETIC COACHING **3 hours credit**
Introduction to the principles and practices of coaching. Emphasis on educational and motivational variables present in the medium of athletics. **Prerequisite:** PSYC 101. *(spring semester only)*

340. ADAPTED PHYSICAL EDUCATION **3 hours credit**
Survey of types of individuals who could benefit from individualized physical education, with the study of corrective and recreational activities appropriate for teaching the handicapped. Teaching methods, class organization and program planning. **Prerequisite:** PHEC 250 or consent of instructor. **Two lectures, one one-hour laboratory per week.**

343. ELEMENTARY SCHOOL PHYSICAL EDUCATION **3 hours credit**
Analysis and application of Laban Theory of Movement, with kinesiological and maturation principles applied to the teaching of educational games, dance and gymnastics to the elementary school child. **Prerequisite:** PHEC 250, 255. **Six hours per week.**

344. TEAM SPORTS ACTIVITIES **3 hours credit**
Overview of selected sports and activities designed for group participation. Emphasis on knowledge and competencies which prepare students to become effective teachers of physical activities. **Prerequisite:** PHEC 255. **Three hours per week.** *(spring semester only)*

345. INDIVIDUAL AND DUAL-SPORT ACTIVITIES **3 hours credit**
Overview of a number of individual activities and sports. Emphasis on knowledge and competencies which prepare students to become effective teachers of physical activities. **Prerequisite:** PHEC 255. **Three hours per week.** *(fall semester only)*

350. MEASUREMENT AND EVALUATION IN PHYSICAL EDUCATION **3 hours credit**
Process of evaluation in physical education using basic concepts found in simple statistical procedures. Development of the ability to read and evaluate current research literature within the discipline. Practical experience in administering and evaluating physical tests. **Prerequisite:** PSYC 101, MATH 101 or equivalent. **Three hours per week.**

369. CAMPING AND BACKPACKING **3 hours credit**
Instruction, preparation and participation in camping and backpacking activities. Emphasizes knowledge, skills and attitudes for outdoor pursuits and encourages awareness and respect for the natural environment. **Prerequisite**: HLTH 201. **Three hours per week**. *(fall semester only)*

370. CAMP LEADERSHIP **3 hours credit**
Study of the history, objectives and trends of organized camping, organization of resident camps, techniques of camps counseling, program planning and camp program activities and an introduction to campcraft skills. *(spring semester only)*

372. ADVENTURE-BASED LEADERSHIP EDUCATION **3 hours credit**
Introduces students to experiential, adventure-based education. Students study and practice principles and theories of leadership education within a cooperative learning approach. **Prerequisites:** HLTH 201, junior standing. **Three hours per week.**

375. THERAPEUTIC EXERCISE IN ATHLETIC TRAINING **4 hours credit**
Theories and concepts essential in conditioning, reconditioning and rehabilitation of athletic injuries. Students gain an understanding of trauma and the healing process and how these affect decisions made in the initiation and progression of a rehabilitation program. **Prerequisites:** PHEC 313, BIOL 215, 216 or consent of instructor. **Three hours lecture, two hours laboratory per week.**

380. THERAPEUTIC MODALITIES **4 hours credit**
Study of modalities used in athletic training. Topics include physics, physiological effects, indications and contraindications, and ways pain interpretation affects the modality chosen. **Prerequisites:** BIOL 215, 216, PHEC 313 or consent of instructor. **Three hours lecture, two hours laboratory per week.**

381. ASSESSMENT OF THE UPPER BODY **3 hour credit**
Teaches detailed evaluation skills necessary for assessment of upper body athletic injuries. **Prerequisite:** PHEC 185, 313 or consent of instructor. **Three hours per week.**

382. ASSESSMENT OF THE LOWER BODY **3 hours credit**
Teaches detailed evaluation skills necessary for assessment of lower body athletic injuries. **Prerequisite:** PHEC 185, 313 or consent of instructor. **Three hours per week.**

406. ADMINISTRATION AND ORGANIZATION **3 hours credit**
Problems of administration structure and procedures, program planning, organization of physical education classes and departments, and organization of athletic programs. **Prerequisite:** PHEC 250 or consent of instructor. **Three hours per week.** *(fall semester only)*

407. ADMINISTRATION AND ORGANIZATION FOR ATHLETIC TRAINING **3 hours credit**
Develops an understanding of administrative structure, policies and procedures for athletic training programs in various settings. **Prerequisites:** PHEC 185, 313 or consent of instructor. **Three hours per week.**

408. MOVEMENT EDUCATION **3 hours credit**
Analysis of the elements of human movement with practical applications to the teaching of physical education in grades K-12. Methods, materials, historical development, readings, practice. **Prerequisite:** PHEC 250 or consent of instructor. **Three hours per week.**

413. ADVANCED TRAINING AND SPORTS MEDICINE **3 hours credit**
Develops advanced knowledge of athletic injuries after the student has completed PHEC 313 or an equivalent. **Three hours per week.** *(spring semester only)*

415. CLINICAL ROTATION IN ATHLETIC TRAINING **3 hours credit**
Exposes students to clinical situations which enhance their understanding of the etiologies pertaining to injuries, both athletic and non-athletic. Topics include recognition, treatment, care and rehabilitation of injuries. **Prerequisites:** PHEC 313, 413; HLTH 201. **Two hours lecture, seven hours clinical per week.** *(spring semester only)*

432. EXERCISE PHYSIOLOGY **4 hours credit**
In-depth study of changes that occur due to acute and chronic exercise. Emphasis on circulatory, nervous and muscular

systems. **Prerequisites:** BIOL 215, 216. **Five hours per week.**

433. KINESIOLOGY **4 hours credit**
Examination of the structure and function of the human body and the mechanical principles affecting its movement. Review of the musculoskeletal system followed by an in-depth study of how human movement occurs. Presentation of nomenclature of the body planes, axes and movement. **Prerequisites:** PHEC 432. **Five hours per week.**

451. PSYCHOSOCIAL ASPECTS OF PHYSICAL EDUCATION **3 hours credit**
Interaction of physical education (sports) with the psychology and sociological development of the individual. **Prerequisite:** PSYC 101 or consent of instructor. **Three hours per week.**

479. PRACTICUM **3-12 hours credit**
Supervised internship or field placement in the area of human movement studies providing opportunities for experiential learning at an advanced level. Students pursue full-time professional assignments with an agency or organization which provides services related to the students' preparation in physical education. Credit for the practicum may range from three to 12 credits per semester, depending upon the experience. May be repeated for a total of 12 credit hours. **Prerequisites:** Senior status, completion of all core requirements.

480. SEMINAR **3 hours credit**
Complements the practicum experience (PHEC 479). Students meet weekly to consider problems and issues encountered in the practicum. Encourages the synthesis of theory and practice through specific assignments and exercises chosen by the instructor. **Prerequisites: Senior** status, completion of core requirements. **Three hours per week.**

481. STRESS TESTING AND EXERCISE PRESCRIPTION **3 hours credit**
Presents practical as well as theoretical knowledge about the various modes and protocols used in graded exercise testing, basic electrocardiography and exercise prescription based on testing results. **Prerequisites:** PHEC 432, 433. **Three hours lecture per week.** *(fall semester only)*

482. FITNESS PROGRAMS **3 hours credit**
Comparison and evaluation of the various fitness programs currently being offered by businesses, hospitals, schools, YMCAs and community agencies. **Prerequisites:** PHEC 432, 433. **Three hours lecture per week.** *(spring semester only)*

490. SELECTED TOPICS IN PHYSICAL EDUCATION **1-3 hours credit**
Provides opportunities for short-term needs and interest of students/faculty. Affords avenue for curriculum experimentation and innovation at an advanced level. Student may earn a maximum of six credits. **Prerequisite:** Consent of instructor.

Physics (PHYS)

100. PHYSICS IN THE MODERN WORLD **4 hours credit**
Survey of major areas of physics. Topics include motion, forces, waves, light, sound, heat, electricity, magnetism, quantum phenomena and relativity. One-semester course intended for non-science majors. General Education IIIA credit. Not open to students with credit in PHYS 121 or 211 or 221. **Three hours lecture, one two-hour lab per week.**

107. OBSERVATIONAL ASTRONOMY **1 hour credit**
Introduction to the use of various tools to study celestial objects, including experience with telescopes, spectroscopes, a planetarium and microcomputers. **Prerequisite:** PHYS 106. **One two-hour lab per week plus some night observations.**

108. INTRODUCTION TO ASTRONOMY **4 hours credit**
Survey of modern astronomy for non-science majors. Basic physics concepts utilized to study the night sky, light, optics and telescopes, planets, the moon and sun, stars nebulae, galaxies and the universe. Some night observations required. May not be taken for credit if student already has credit for PHYS 106. General Education IIIA credit. **Three hours lecture, one two-hour lab per week.**

121. GENERAL PHYSICS I **4 hours credit**
Introduction to Newtonian mechanics and applications. Topics include kinematics, dynamics, rotational motion, equilibrium, conservation laws and fluids. Not intended for physics or chemistry majors. General Education IIIA credit. **Prerequisite:** College algebra.. **Three hours lecture, one two-hour lab per week.**

123. GENERAL PHYSICS II **4 hours credit**
Continuation of general physics. Topics include basic concepts of electricity and magnetism, wave motion, optics and modern physics. General Education IIIC credit. **Prerequisite:** PHYS 121. **Three hours lecture, one two-hour lab per week.**

211. MAJOR CONCEPTS IN PHYSICS **3 hours credit**
Integrated study of the major concepts of physics designed as a first course for physics and related majors. Topics drawn from classical mechanics, electromagnetism, quantum mechanics and relativity. **Corequisite:** MATH 201. **Three hours per week.**

221. PHYSICS I **5 hours credit**
Introductory course in mechanics for students majoring in physics, chemistry and engineering. Topics include single particle kinematics and dynamics, multiparticle systems, rotational motion, oscillations, waves and sound. **Prerequisite:** MATH 201. **Four hours lecture, one two-hour lab per week.**

223. PHYSICS II **5 hours credit**
Continuation of introductory physics. Topics include single particle kinematics and dynamics, multiparticle systems, rotational motion, oscillations, waves and sound. **Prerequisite:** PHYS 221, MATH 202 (prereq/coreq). **Four hours lecture, one two-hour lab per week.**

309. MATHEMATICAL PHYSICS **3 hours credit**
Survey of the most important mathematical tools of classical physics. Topics include coordinate systems, complex algebra, matrix algebra, Fourier series and applications, differential equations (wave equation, Schrodinger's equation) and vector calculus (gradient, divergence, curl, Stoke's theorem, Green's theorem). **Prerequisite:** PHYS 223. **Corequisite:** MATH 310. Three **hours lecture per week.**

311. ELECTRICAL CIRCUITS AND ELECTRONICS **4 hours credit**
Survey of basic principles of electric circuits and modern electronics. Topics include AC and DC circuits, Thevenin's and Norton's theorems, transient analysis, power supplies, diodes and transistors, operational amplifiers and an introduction to circuit simulation programs. **Prerequisite:** PHYS 309. **Three hours lecture, one three-hour lab per week.**

313. INTRODUCTION TO MODERN PHYSICS **3 hours credit**
Survey of physics concepts developed since 1880. Topics include blackbody radiation, photoelectric effect, special relativity, quantization, uncertainty principle and introductory atomic, nuclear and solid state physics. **Prerequisite:** PHYS 309. **Three hours lecture per week.**

314. MECHANICS **3 hours credit**
Theory and application of Newtonian mechanics with an introduction to the Legrange formalism. Major topics include kinematics and dynamics of single particles and systems of

particles, rigid bodies, noninertial reference frames and the simple harmonic oscillator. **Prerequisite:** PHYS 223, 309 (prereq/coreq). **Three hours lecture per week.**

315. ELECTRICITY AND MAGNETISM **3 hours credit**
Study of electricity and magnetism. Topics include Coulomb's law, electric and magnetic fields, electromagnetic induction, Maxwell's equations and an introduction to electromagnetic waves. **Prerequisite:** PHYS 309. **Three hours lecture per week.**

316. INTRODUCTION TO QUANTUM MECHANICS **3 hours credit**
Introduction to the principles of quantum mechanics. Topics include wave mechanics, Schrodinger's equation, Fourier techniques, operator formalism, correspondence and uncertainty principles, harmonic oscillator and hydrogen atom. **Prerequisites:** PHYS 313, 314. **Three hours lecture per week.**

317. ASTROPHYSICS AND STELLAR ASTRONOMY **3 hours credit**
Physical and mathematical principles applied to the study of astronomy, binary stars, stellar structure and evolution, galactic and extragalactic astronomy, quasars and cosmology. No prior knowledge of astronomy required. **Prerequisite:** PHYS 309. **Three hours lecture per week.**

318. SEMICONDUCTOR PHYSICS **3 hours credit**
Mathematical treatment of the theory of conduction in solids with particular attention to semiconductors. Topics include band theory of solids, conduction in metals and crystals, intrinsic and extrinsic semiconductors, two-terminal and three-terminal devices. **Prerequisites:** PHYS 309, 313. **Three hours lecture per week.**

319. THERMODYNAMICS AND STATISTICAL MECHANICS **3 hours credit**
Introduction to statistical mechanics and thermodynamics. Topics include laws of thermodynamics, paramagnetism, heat capacity of solids, perfect classical gas, phase equilibria and perfect quantal gas. **Prerequisites:** PHYS 309, 314. **Three hours lecture per week.**

320. WAVE OPTICS **3 hours credit**
Study of light as a wave phenomenon. Topics include nature of light, propagation, reflection, refraction, interference, diffraction, lasers and holography. **Prerequisite:** PHYS 309. **Three hour lecture per week.**

321. ANALOG ELECTRONICS **4 hours credit**
Study of analog electronic devices and systems. Topics include operational amplifiers, active filters, oscillators and function generators, linear integrated circuits. **Prerequisite:** PHYS 311. **Three hours lecture, one three-hour lab per week.**

322. DIGITAL ELECTRONICS **4 hours credit**
Study of the basic concepts of digital electronics, with emphasis on modern TTL and CMOS integrated circuits. Topics include gates, combinational and sequential logic circuits, flip-flops, counters, shift registers, multiplexers, decoders and multivibrators. **Prerequisite:** PHYS 311. **Three hours lecture, one three-hour lab per week.**

407. SENIOR LABORATORY **3 hours credit**
Exploration of physics through experimentation. Topics include atomic, nuclear and solid state physics; electricity and magnetism, mechanics, optics; and thermodynamics. **Prerequisites:** PHYS 311, 313. **Six hours lab per week.**

410. ADVANCED MATHEMATICAL PHYSICS **3 hours credit**
Survey of advanced mathematical topics used in physics, including linear operators, functions of a complex variable, partial differential equations, Hilbert spaces and group theory. **Prerequisites:** PHYS 309, MATH 311. **Three hours lecture per week.**

411. MICROPROCESSOR ARCHITECTURE **4 hours credit**
Study of the basic architecture and design of common integrated circuit microprocessors. Emphasis on the electrical operating characteristics, supporting electronics, interfacing and instruction sets. Laboratory experiments include study of the bus structures, timing, addressing and input/output of one or more microprocessors. Simple machine language routines developed. **Prerequisite:** PHYS 322. **Two hours lecture, one four-hour lab per week.**

412. MICROCOMPUTER INTERFACING **4 hours credit**
Advanced study in techniques of interfacing microcomputers to monitor and control external devices. Topics include parallel and serial ports; analog-to-digital and digital-to-analog converters; measurement of temperature, light and motion; motor control; telecommunications. Laboratory experiments include building interfaces and developing the associated software. **Prerequisite:** PHYS 411. **Two hours lecture, one four-hour lab per week.**

414. ADVANCED MECHANICS **3 hours credit**
Advanced study of Newtonian mechanics based on concepts introduced in PHYS 314. Topics include Lagrangian and Hamiltonian formalism, calculus of variations, rigid bodies, small oscillations, fluid mechanics. **Prerequisite:** PHYS 314. **Three hours lecture per week.**

450. INTERNSHIP/CO-OP IN PHYSICS **3 hours credit**
Work experience in which qualified students use knowledge of physics in a professional setting. Students summarize experiences in written reports with seminar presentations. **Prerequisites:** Twenty hours of physics, consent of instructor. **Six hours per week.**

475. RESEARCH IN MICROCOMPUTER PHYSICS **3 hours credit**
Students work on individual research project involving practical application of microcomputers to an actual problem in the laboratory or off campus. May involve advanced study of interfacing and software development; intended to provide challenges similar to those faced in industrial situations. Topics include computer-aided manufacture (CAM), process control, robotics and environmental monitoring. Written report, seminar presentation required. **Prerequisite:** PHYS 412. **Three hours per week.**

490. RESEARCH IN PHYSICS **3 hours credit**
Research project in one of the areas of physics chosen, designed and carried out by student with the advice and approval of a faculty member. Actual work may be carried out at off-campus sites. Written report, seminar presentation required. **Prerequisites:** Forty hours of physics, senior standing, department approval.

499. SPECIAL TOPICS IN PHYSICS **3 hours credit**
Study of a specific area of physics. Topic varies semester to semester. May be taken twice for credit. **Three hours lecture per week or lab-lecture equivalent.**

Political Science (POSC)

101. INTRODUCTION TO POLITICS AND GOVERNMENT **3 hours credit**
Introduction to the study of political science that discusses the nature of politics, the role of government in society and the processes involved in the governing of humans. **Three hours per week.**

102. CONTEMPORARY ISSUES **3 hours credit**
Examines how the American political system responds to major issues facing the nation. The politics of recent issues such as civil rights, Watergate, the environment and the energy crisis, along with current issues, discussed in detail. **Three hours per week.**

110. AMERICAN NATIONAL GOVERNMENT **3 hours credit**
Comprehensive examination of the American political process which analyzes the role of the Constitution, the organization and function of the presidency, Congress, Supreme Court, political parties and interest groups and the distribution of power within American society. **Three hours per week.**

200. POLITICAL IDEOLOGIES **3 hours credit**
Analysis of political ideologies, emphasizing their role as both justifications for and radical critiques of existing social, economic and political structures and processes. Covers a number of ideologies, including fascism, liberalism, socialism and communism. **Three hours per week.**

202. STATE AND LOCAL GOVERNMENT IN THE UNITED STATES **3 hours credit**
Examination of state and local governments in terms of how political power is organized and policies adopted. Focuses on forms of governing that encourage citizen participation. **Three hours per week.**

204. TOPICS IN POLITICAL SCIENCE **3 hours credit**
Analysis of recent international or national issues which helps students understand the complex contemporary political environment. May be taken twice under different course titles recorded with the registrar. **Three hours per week.**

210. INTRODUCTION TO INTERNATIONAL RELATIONS **3 hours credit**
Introduces students to several current problems in world affairs: wars, revolutions, nuclear proliferation, the oil crisis and conflicts between East and West and North and South. Processes for resolving these problems also discussed: balance of power alliances, arms control, international law, diplomatic negotiation and the use of the United Nations. **Three hours per week.**

212. INTRODUCTION TO AFRICAN POLITICS **3 hours credit**
Introduction to the political economy of Sub-Saharan Africa. Focus on ideas and historical forces that have shaped Africa's political institutions and its economic and social structures. **Three hours per week.**

215. AMERICAN FOREIGN POLICY **3 hours credit**
Emphasizes areas of foreign policy: the individuals, organizations and procedures involved in foreign policy making; the major approaches of U.S. foreign policy; and current issues. **Three hours per week.**

300. METHODS OF EMPIRICAL POLITICAL ANALYSIS **4 hours credit**
Focuses on student-developed research projects that utilize the scientific method and the collection and analysis of quantitative data, especially public opinion polls. The use of computers and statistics in political science research emphasized. **Prerequisites:** POSC 101 or 110, junior/senior standing. **Three hours lecture, one two-hour laboratory per week.**

301. POLITICAL PARTIES AND PRESSURE GROUPS **3 hours credit**
Descriptive and analytical examination of American political parties and pressure groups with attention to political socialization and voting behavior. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

310. COMPARATIVE EUROPEAN GOVERNMENT **3 hours credit**
Comparative study of the government systems, political processes, leadership, political parties, elections and current political issues in Britain, France and Germany and an overview of the European community. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

311. COMPARATIVE GOVERNMENT OF DEVELOPING NATIONS **3 hours credit**
Comparative study of the historical backgrounds, ideological foundations, leadership, opposition groups, political processes and current issues in the governmental systems of selected developing countries. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

312. INTERNATIONAL RELATIONS OF SOUTHERN AFRICA **3 hours credit**
Focuses on the struggle for political and economic independence in South Africa, Namibia, Angola, Mozambique and Zimbabwe since World War II. Concentrates on the dominance of South Africa in the region along with the role of multinational corporations, the United States, Soviet Union and Cuba in regional politics. **Prerequisite:** POSC 101 or 210. **Three hours per week.**

315. THE PRESIDENCY IN AMERICAN POLITICS **3 hours credit**
Helps students develop a deeper understanding of the American presidency's relationship to other governmental and non-governmental institutions in the American political system. Particular attention paid to the implications and consequences of these relationships for democratic society. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

320. PUBLIC POLICY ANALYSIS **3 hours credit**
In-depth study of the governmental decision-making process within the American federal government. Provides students with an explanation of the primary governmental activities associated with the basic steps in the policy-making process. Some of these steps include policy formulation, implementation and evaluation. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

330. AMERICAN CONSTITUTIONAL DEVELOPMENT **3 hours credit**
The principles, nature and meaning of the U.S. Constitution as determined by the holdings and opinion of the Supreme Court. Emphasis on the historical development of the Constitution, and a study and analysis of the U.S. court system, judicial review, separation of powers, commerce powers, powers of Congress and the president, development of civil liberties and civil rights, with special attention to U.S. Bill of Rights and the 14th Amendment. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

340. POLITICAL SCIENCE INTERNSHIP **3 hours credit**
Helps students learn about political behavior and policy problems as participant-observers in a government organization at the national, state or local level. **Prerequisite:** POSC 101 or 110, permission of instructor. *(P/F)*

341. POLITICAL SCIENCE INTERNSHIP SEMINAR **3 hours credit**
Places an intern's work experience within a broader, analytical perspective. Interns thoroughly examine existing research on the relevant governmental agency and relate the findings of this research to their own internship experiences. Designed to be taken with POSC 340. **Prerequisite:** POSC 101 or 110, permission of instructor.

350. REVOLUTION AND POLITICAL CHANGE **3 hours credit**
Explores the nature of political change in general and revolutionary change in particular. Approached both philosophically and empirically to generate theories of revolutionary change and to develop understanding of specific historical and contemporary cases of revolution. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

390. INTERNATIONAL FIELD STUDY **3-6 hours credit**
On-site study of the politics, history, economy and culture of selected countries. Work in the field preceded by pre-tour lectures and readings. May be repeated once for credit. Number of credits offered to be determined by the department.

399. HONORS INTERDISCIPLINARY **3 hours credit**
Examines topics of broad trans-disciplinary scope and interest in conjunction with one or more other departments. **Three hours per week.**

401. POLITICAL THEORY **3 hours credit**
Survey of political thought based on the analysis of ideas of modern theorists, including the historical setting of major theories, their impact on political institutions and social changes and their contemporary significance. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

409. CAUSES OF WAR **3 hours credit**
Explores theoretical explanations of international conflict. Major questions addressed are: What are the primary causes of war? How may war be prevented? **Prerequisite:** Junior/senior standing. **Three hours per week.**

411. INTERNATIONAL LAW **3 hours credit**
Survey of the general principles and specific rules of international law as well as its recent trends and its relations to other aspects of international affairs. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

417. RUSSIA AND THE SOVIET UNION **3 hours credit**
Political development of Russia from the Bolshevik Revolution and Stalinism through the Gorbachev period and collapse of the U.S.S.R. Emphasis on government structure, parties, ideology, political conflict and change. Exploration of political, social, economic, environmental and foreign policy problems of the new Russian state. **Prerequisites:** POSC 101 or 110, junior/senior standing. **Three hours per week.**

430. THE CONGRESS IN AMERICAN POLITICS **3 hours credit**
Analysis of the structural characteristics and functions of the United States Congress. Factors influencing congressional decision making and the importance of Congress in American political process discussed. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

440. PUBLIC ADMINISTRATION **3 hours credit**
Study of the basic characteristics of modern American governmental bureaucracies, as well as the important issues public administrators face. Exploration of administrative and organizational theories. **Prerequisite:** POSC 101 or 110. **Three hours per week.**

480. STUDIES IN POLITICAL SCIENCE **3 hours credit**
Intensive study of a specialized area of inquiry within the major subfields of political science: American government, international relations, comparative government, political theory and public policy. May be taken twice under different subtitles recorded with the registrar. **Prerequisites:** POSC 101 or 110, junior/senior class standing. **Three hours per week.**

490. INDIVIDUAL RESEARCH **3 hours credit**
Advanced students, under the direction of a faculty member, pursue a research project involving an in-depth reading program or the collection and analysis of data from primary sources. May be taken twice under different subtitles recorded with the registrar. **Prerequisites:** POSC 101 or 110, junior/senior class standing, consent of instructor who will direct the study. **Three hours per week.**

Psychology (PSYC)

101. GENERAL PSYCHOLOGY **3 hours credit**
Survey of general principles underlying human behavior including study of the nervous system, perception, learning, emotion and personality. Experimental findings are applied to practical situations. **Three hours per week.**

211. PSYCHOLOGY AND SCIENTIFIC INFERENCE **3 hours credit**
Designed for psychology majors. Topics include principles of experimental design, logic of hypotheses testing, reasoning through issues in psychology and effective critical thinking. **Prerequisite:** PSYC 101. **Three hours per week.**

215. PSYCHOLOGY APPLIED TO DAILY LIVING **3 hours credit**
Designed to help students use psychology in their everyday lives so that they may understand and influence their own behavior and the behavior of others. Methods and techniques of behavior change discussed. **Prerequisite:** PSYC 101. **Three hours per week.**

220. PSYCHOLOGICAL STATISTICS **3 hours credit**
Methods of design of psychological experiments and analysis of data. **Prerequisite or corequisite:** PSYC 211. **Three hours per week.**

300. DEVELOPMENTAL PSYCHOLOGY **3 hours credit**
Survey of the characteristics of and theories explaining the physical, intellectual, social and emotional development of individuals throughout the life span. **Prerequisite:** PSYC 101 or consent of instructor. **Three hours per week.**

302. ABNORMAL PSYCHOLOGY **3 hours credit**
Survey of the etiology, diagnosis and prognosis of neuroses, psychoses, psychosomatic disorders, transient situational maladjustments and personality disorders, with discussions of various treatment approaches. **Prerequisite:** PSYC 101. **Three hours per week.**

304. EXPERIMENTAL PSYCHOLOGY **4 hours credit**
Study of the experimental method and its application to psychological research in both animals and humans. **Prerequisites:** PSYC 211, 220. **Three hours lecture, two hours laboratory per week.**

305. PSYCHOLOGY OF LEARNING **3 hours credit**
Survey of the basic experimental facts and research related to learning. **Prerequisite:** PSYC 211. **Three hours per week.**

306. SOCIAL PSYCHOLOGY **3 hours credit**
Study of group behavior of humans with emphasis on the relation of the individual to the group. Mass reaction and judgement, group control and group influence on the individual area considered. **Prerequisites:** PSYC 101, 211. **Three hours per week.**

312. PHYSIOLOGICAL PSYCHOLOGY **3 hours credit**
Investigation of morphological, neurochemical and physiological bases of behavior. **Prerequisite:** PSYC 211 or consent of instructor. **Three hours per week.**

320. PSYCHOLOGY OF INFANCY AND CHILDHOOD **3 hours credit**
In-depth study of the implications of and issues surrounding the physical, intellectual, social and emotional development of children from conception to adolescence. **Prerequisites:** PSYC 101, 300. **Three hours per week.**

321. PSYCHOLOGY OF ADOLESCENCE **3 hours credit**
Study of physical, emotional and social development of the adolescent. **Prerequisite:** PSYC 300. **Three hours per week.**

322. PSYCHOLOGY OF AGING **3 hours credit**
Study of selected topics in human development from early adulthood through old age. **Prerequisite:** PSYC 300. **Ten hours of volunteer work with the elderly per semester, three hours lecture per week.**

323. PSYCHOLOGY OF DEATH AND DYING **3 hours credit**
Exploration of attitudes and behaviors related to death. Topics include the dying patient, suicide, bereavement, ethical issues, the funeral, etc. Emphasis on developing an understanding of self and death. **Prerequisite:** PSYC 101. **Three hours per week.**

325. PSYCHOLOGY OF SEXUALITY **3 hours credit**
Introduction to the psychological theories and social research concerning human sexuality. Topics include gender roles, sexual attitudes and mores, sexual health, sexual abuse and other current issues. **Prerequisite:** PSYC 101. **Three hours per week.**

333. EFFECTIVE PARENTING **3 hours credit**
Offers practical techniques for dealing with children, including effective communication with children of all ages and techniques for coping with inappropriate behavior in children. **Prerequisite:** PSYC 101. **Three hours per week.**

334. PSYCHOLOGY OF WOMEN **3 hours credit**
Study of sex roles, sex differences, the causes of psychological problems of women and some methods of coping with the rapidly changing roles of both men and women. **Three hours per week.**

335. BASIC HELPING RELATIONS **3 hours credit**
Overview of fundamental counseling theory as well as an introduction to conceptual and experiential interviewing and counseling skills. **Prerequisite:** PSYC 101. **Three hours per week.**

336. PSYCHOLOGY OF MEN **3 hours credit**
Study of the psychological effects of the cultural roles assigned to males and of the impact of the transitions confronting men in the roles they assume. **Prerequisite:** PSYC 101. **Three hours per week.**

360. CLINICAL/COUNSELING PSYCHOLOGY **3 hours credit**
Comparative study of theories and practices in the treatment of mental and emotional disorders. Included are commonly employed analytical, neoanalytical and behavioral systems of clinical psychology as well as a survey of psychodiagnostic materials. May not be taken for credit if student already has credit for PSYC 460. **Prerequisite:** PSYC 101 or consent of instructor. **Three hours per week.**

370. PSYCHOLOGY AND THE CRIMINAL JUSTICE SYSTEM **3 hours credit**
Survey of the criminal justice system and its relationship to psychology. Topics include theories of crime; criminal personality; and roles of the victim, police officer, lawyers, judges, psychologists and special groups. Emphasis on sexual assault, crimes against children and the insanity defense. **Prerequisite:** PSYC 101. **Three hours per week.**

403. MEASUREMENT AND EVALUATION IN PSYCHOLOGY **3 hours credit**
Coverage of correlational techniques, reliability and validity. Psychological tests and questionnaires considered in terms of their measurement assumptions and utility. **Prerequisite:** PSYC 220 or consent of instructor. **Three hours per week.**

406. PSYCHOLOGY OF ATTITUDES AND ATTITUDE CHANGE **3 hours credit**
Concerned with how attitudes are formed, measured and changed. Emphasis on the classical theories and new approaches to attitude formulation and change. **Prerequisite:** PSYC 306 or consent of instructor. **Three hours per week.**

407. PSYCHOLOGY OF PERSONALITY **3 hours credit**
Survey of major theoretical approaches to the origin and development of human personality. **Prerequisite:** PSYC 101. **Three hours per week.**

408. HISTORY AND SYSTEMS IN PSYCHOLOGY **3 hours credit**
Study of basic integrating theories of psychology. **Prerequisite:** PSYC 211, 405 or 407 or consent of instructor. **Three hours per week.**

409. ENVIRONMENTAL PSYCHOLOGY **3 hours credit**
Study of the effects of the environment on human behavior. Consideration given to such topics as organizational structure and climate, architecture, population density and urban stress. **Prerequisite:** PSYC 101. **Three hours per week.**

415. MOTIVATION AND EMOTION **3 hours credit**
Survey of experimental findings and theory of processes that energize and direct behavior. **Prerequisites:** PSYC 101, 211. **Three hours per week.**

423. PSYCHOLOGY OF THE EXCEPTIONAL CHILD **3 hours credit**
Study of children who vary from the norm including the gifted, physically handicapped, mentally handicapped, socially handicapped, emotionally disturbed. **Prerequisite:** PSYC 300 or 320 or EDUC 300 or consent of instructor. **Three hours per week.**

430. LEARNING THEORY AND ITS APPLICATION **3 hours credit**
Acquaints students with the theoretical base and experimental data to support a united approach to human learning. Provides opportunities to directly apply learning theory to the education of the individual. **Prerequisites:** EDUC 300, PSYC 101, 211 (or equivalent) or consent of instructor. **Three hours per week.**

445. COGNITIVE PSYCHOLOGY **3 hours credit**
Study of human cognitive processing. Topics include perception, attention, memory, problem solving, language, reasoning and decision making. **Prerequisite:** PSYC 211. **Three hours per week.**

450. SENSATION AND PERCEPTION **3 hours credit**
Study of human sensory and perceptual systems with emphasis on vision. Perception treated from a physiological, behavioral and cognitive point of view. **Prerequisites:** PSYC 101, 211. **Three hours per week.**

465. PRINCIPLES AND TECHNIQUES OF GROUP THERAPY **3 hours credit**
Study of principles and techniques of group counseling/psychotherapy and their application. Includes a review of the psychological and historical development of group therapy and a study of the pertinent research. Discussions and role playing are important elements of this course. **Prerequisite:** Advanced standing. **Three hours per week.**

480. ART, PSYCHOLOGY AND VISUAL PERCEPTION **3 hours credit**
Students use principles of psychology and visual perception to develop increased understanding of the visual arts. Students cannot receive credit for both ART 480 and PSYC 480. **Prerequisites:** PSYC 101, a minimum total of six semester hours in art or psychology. **Three hours per week.**

485. PSYCHOLOGY PRACTICUM **3 hours credit**
Provides psychology majors with training experience in a variety of clinical settings. Students may earn no more than six hours in undergraduate practicum courses. **Prerequisites:** PSYC 101, 335, 360 and 302 or 407 and consent of instructor. **Minimum of two hours per week supervision, eight hours per week of field work.**

490. INDIVIDUAL DIRECTED STUDY **1-3 hours credit**
Enables advanced students to pursue, through observation, experimentation or library research, a topic of their choosing. May be repeated for a maximum of six credits. **Prerequisite:** Consent of department chair.

495. SELECTED TOPICS IN PSYCHOLOGY **1-3 hours credit**
Intensive study in a psychological therapeutic technique, person, developmental period or theory. May be repeated in different areas of study for a maximum of six hours credit.

Respiratory Therapy (RESP)

210. FOUNDATION STUDIES IN RESPIRATORY THERAPY **3 hours credit**
Introduction to respiratory therapy with emphasis on the physiologic basis of respiratory care. Covers basic principles, procedures and practices utilized in the profession. **Three hours lecture per week.**

300. SPECIAL TOPICS IN RESPIRATORY CARE **1-4 hours credit**
Study of a selected area of respiratory care. Topic may vary semester to semester. Provides opportunity for curriculum innovation or meeting the special needs or interests of students. May be taken twice for credit under different subtitles. **Prerequisite:** Sophomore standing.

301. PATIENT CARE PROCEDURES **4 hours credit**
Introduction to basic respiratory therapy procedures commonly utilized in providing patient care. Opportunity for practicing selected skills provided in the respiratory care laboratory. **Prerequisite:** Junior status, completion of General Education requirements, or consent of instructor. **Corequisites:** RESP 302, 303. **Three hours lecture, two hours laboratory per week.**

302. BASIC RESPIRATORY PROCEDURES/ CLINICAL PRACTICUM **7 hours credit**
Provides basic skills necessary for the application of medical gases, aerosol and humidity therapy, chest physiotherapy, airway management, incentive spirometry, intermittent positive pressure breathing, arterial blood gases, and cleaning and sterilization. **Prerequisites:** Admission to respiratory therapy major, junior status, completion of General Education requirements. **Supervised experience, 14 hours clinical work per week.**

303. CARDIOPULMONARY PHYSIOLOGY **3 hours credit**
Study of cardiopulmonary physiology with emphasis on fluid and electrolyte balance, carbon dioxide and oxygen transport, acid-base regulation and the clinical significance of each. **Prerequisites:** Admission to respiratory therapy major, junior status, completion of General Education requirements, or consent of instructor. **Three hours lecture per week.**

321. ADVANCED RESPIRATORY CARE **4 hours credit**
In-depth study of topics related to respiratory therapy in the critical care setting with laboratory experiences. Emphasis on mechanical ventilation, airway management, cardiopulmonary monitoring and cardiopulmonary assessment. **Three hours lecture, two hours laboratory per week.**

322. PHARMACOLOGY **3 hours credit**
Investigation of pharmaceutical preparations employed in current medical practice with emphasis on those relevant to the respiratory care practitioner. **Prerequisites:** RESP 301, 302, 303 with C or better, or consent of instructor. **Three hours lecture per week.**

323. CLINICAL PRACTICUM II **7 hours credit**
Supervised clinical experience in a variety of critical and non-critical care settings designed to reinforce primary skills and develop secondary skills necessary for the practice of modern respiratory care. **Prerequisites:** Junior status; completion of General Education requirements and RESP 210, 301, 302, 303 with C or better, or consent of instructor. **Corequisites:** RESP 321, 322. **Supervised experience, 14 clinical hours per week.**

401. NEONATAL AND PEDIATRIC RESPIRATORY CARE **3 hours credit**
Survey of current techniques employed in the respiratory treatment of children from birth through adolescence. Special attention to neonatal physiology and abnormalities requiring respiratory care and to the pulmonary significance of select childhood diseases. **Prerequisites:** Senior status, completion of RESP 322 with C or better, or consent of instructor. **Two hours lecture, two hours laboratory per week.**

402. CARDIOPULMONARY DIAGNOSTICS AND REHABILITATION **4 hours credit**
Study of the theory and techniques of cardiopulmonary diagnostic procedures, interpretations and clinical applications, as well as an overview of rehabilitative respiratory care techniques. **Prerequisites:** Senior status, completion of RESP 322 with C or better, or consent of instructor. **Two hours lecture, four hours laboratory per week.**

403. CLINICAL PRACTICUM III **7 hours credit**
Supervised clinical experience in critical care settings with special rotations through areas focusing on intensive care techniques and neonatal/pediatric respiratory care. **Prerequisite:** Senior status, completion of RESP 200- and 300-level courses with C or better, or consent of instructor. **Fourteen hours clinical practice per week.**

404. MANAGEMENT PRACTICES IN HEALTH SERVICES **3 hours credit**
Prepares students for managerial challenges encountered by leaders and the health care practitioners in health service organizations. Topics include managerial theory, personnel interviewing, selection and maintenance, quality control, audits and budget preparation. **Prerequisites:** Senior status, completion of RESP 322 with C or better, or consent of instructor. **Three hours lecture per week.**

420. RESPIRATORY CARE SEMINAR **3 hours credit**
Study of the pathophysiology of diseases affecting the cardiopulmonary system with attention to common treatment. Small group discussion, case studies, computer simulations and frequent physician input allows students opportunity to test treatment ideas, challenge current regimes and understand the importance of appropriate respiratory care. **Prerequisites:** Senior status; completion of RESP 401, 402, 403, 404 with C or better, or consent of instructor. **Two hours lecture, two hours laboratory per week.**

421. STUDY IN RESPIRATORY CARE **2 hours credit**
Faculty-guided study of an aspect of respiratory care of special interest to the student. **Prerequisites:** Senior status; completion of RESP 401, 402, 403, 404 with C or better, or consent of instructor. **One hour lecture, two hours practicum per week.**

422. MANAGEMENT SPECIALIZATION **4 hours credit**
Clinical practice in respiratory care management or other appropriate administration. Topics include medical legal

aspects, employee scheduling, J.C.A.H. standard and audits, budget preparation and maintenance, and employee conferences. **Prerequisites:** Senior status; completion of RESP 401, 402, 403, 404 with C or better, or consent of instructor. **Three hours lecture, two hours practicum per week.**

423. EDUCATION SPECIALIZATION **4 hours credit**
Experience in didactic and clinical instruction and departmental in-service education. Design, presentation and evaluation of lecture programs. **Prerequisites.** Senior status; completion of RESP 401, 402, 403, 404 with C or better, or consent of instructor. **Two hours lecture, four hours practicum per week.**

424. CRITICAL CARE SPECIALIZATION **4 hours credit**
Clinical experience in critical care areas designed to refine skills in patient assessment, data collection and clinical decision making. Patient rounds with cardiopulmonary specialists. **Prerequisites:** Senior status; completion of RESP 401, 402, 403, 404 with C or better, or consent of instructor. **Supervised experience eight hours per week.**

425. DIAGNOSTICS SPECIALIZATION **4 hours credit**
Clinical experience in diagnostic laboratory settings. Emphasis on sophisticated cardiopulmonary monitoring and studies, cardiac catheterization and ventilation/perfusion scanning. **Prerequisites:** Senior status; completion of RESP 401, 402, 403, 404 with C or better, or consent of instructor. **Two hours lecture, four hours laboratory per week.**

Russian (RUSS)

101. ELEMENTARY RUSSIAN I **3 hours credit**
Beginning spoken and written Russian with emphasis on the alphabet, sound system, basic structures of the language and contemporary culture. Satisfies General Education IB. **Three hours per week.**

102. ELEMENTARY RUSSIAN II **3 hours credit**
Continued development of listening, speaking, reading and writing in Russian with further study of major grammatical structures and contemporary culture. Satisfies General Education IB requirements. **Prerequisite:** RUSS 101 or at least one year of high school Russian. **Three hours per week.**

Science (SCIE)

110. INTEGRATED SCIENCE I **4 hours credit**
Introduces principles common to biology, physics, chemistry, earth science and astronomy and appropriate mathematical concepts. Activities include laboratories, field experiences and computer exercises. Satisfies General Education IIIA. **Six hours per week lectures and activities.**

210. INTEGRATED SCIENCE II **4 hours credit**
Continues the SCIE 110 study of the principles of natural order through examination of the laws of conservation, energy, motion and thermodynamics. Individual and group activities include laboratories, field experiences and computer exercises. Required of MCTP students. **Prerequisities:** SCIE 110. **Six hours per week.**

Social Science (SOSC)

300. SOCIAL SCIENCE INTERN PROGRAM **3 hours credit**
Work study program with the primary emphasis on practical experiences to be learned while working with a governmental or community agency on the local, state or national level. **Prerequisite:** Junior or senior class standing with a major in history, political science, sociology or social science and approval of directors.

400. CURRENT PROBLEMS **3 hours credit**
Study made of either general or special topics of our times, considered from the historic aspect and the present social and cultural setting in which they occur. **Three hours per week.**

499. HONORS **3 hours credit**
Independent study, research and conferences undertaken by social science majors for department honors at the invitation of the department. May not be taken on a pass/no credit basis. **Prerequisites:** Approval of department, 21 hours of work in social science completed, minimum 3.5 average in social sciences.

Social Work (SOWK)

200. INTRODUCTION TO SOCIAL WORK AND SOCIAL WELFARE **3 hours credit**
Introduction to social work as a profession. Examination of the social welfare system as society's response to human need and structure for delivery of social services. Overview of fields of social welfare service and social work roles in each field. Twenty-five hours of volunteer service in a social agency required. **Three hours per week.**

300. HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT I **3 hours credit**
Interrelationship of biological and psychosocial factors in human development throughout the life span. Examines dynamics of human behavior in a social context, with beginning level social assessment DSM diagnosis. **Prerequisite:** SOWK 200, BIOL 101, SOCI 101, PSYC 101, or consent of instructor. **Three hours per week.**

302. HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT II **3 hours credit**
Study of human behavior as affected by race, class, gender and sexual orientation. Attention to the experience of oppression and its impact on families and groups. Strategies to bring about social change in organizations and communities considered. **Prerequisites:** SOWK 200, 300. **Three hours per week.**

305. SOCIAL WELFARE POLICY **3 hours credit**
Historical and analytical overview of social welfare policy in the United States. Selective examination of contemporary programs and services; analysis of policies; issues and problems; evaluation of programs and services for effectiveness. **Prerequisite:** SOWK 200 or consent of instructor. **Three hours per week.**

315. SOCIAL WORK RESEARCH **3 hours credit**
Introduction to quantitative and qualitative research methodologies, designs for evaluation of practice and program evaluation. **Prerequisite:** SOWK 200 or consent of instructor. MATH 155 recommended. **Three hours per week.**

320. SOCIAL WORK PRACTICE I **3 hours credit**
First of three practice courses preparing students for a generalist approach to social work practice. Emphasis on knowledge, values, ethics and skills needed to develop effective helping relationships. Includes basic theories for intervention with focus on micro level problem solving and basic interview skills. **Prerequisites:** SOWK 200, 300. **Three hours per week.**

350. SOCIAL WORK WITH OLDER PEOPLE **3 hours credit**
Study of older Americans and of the programs and policies designed to support them. Review of social work practice skills in providing direct service to older people. **Prerequisite:** SOWK 200 or consent of instructor. **Three hours per week.**

400. SOCIAL WORK PRACTICE II **3 hours credit**
Second of three practice courses preparing students for a generalist approach to social work practice. Expands basic knowledge, values, ethics and skills, with emphasis on mezzo level problem solving. Includes theories and techniques for planning, assessment and advocacy for family and small group intervention. **Prerequisites:** SOWK 315, 320. **Corequisite:** SOWK 406 or 407. **Three hours per week.**

405. FIELD INSTRUCTION IN SOCIAL WORK I **5 hours credit**
Supervised experience in a social welfare agency with emphasis on methods and techniques of generalist social work practice. Opportunity to apply theory and develop skills in delivery of social services. **Prerequisites:** SOWK 320, approval of the department. **Corequisites:** SOWK 400, 406. **Two working days per week or a minimum of 200 hours per semester.**

406. FIELD INSTRUCTION SEMINAR I **1 hour credit**
Weekly on-campus seminar concurrent with Field Instruction I. Small group discussion of field experience with related written assignments. **Prerequisite:** SOWK 320. **Corequisites:** SOWK 400, 405. **One hour per week.**

407. FIELD INSTRUCTION IN SOCIAL WORK II **5 hours credit**
Continuation of direct experience in the delivery of social services within an assigned agency. Increased emphasis on assessment, intervention and evaluation skills of generalist social work. **Prerequisites:** SOWK 405 and approval of the department. **Corequisite:** SOWK 408. **Two working days per week or a minimum of 200 hours per semester.**

408. FIELD INSTRUCTION SEMINAR II **1 hour credit**
Weekly on-campus seminar concurrent with Field Instruction II. Small group discussion of field experience with related written assignments. **Prerequisites:** SOWK 405, 406. **Corequisite:** SOWK 407. **One hour per week.**

410. SOCIAL WORK PRACTICE III **3 hours credit**
Third of three practice courses preparing students for a generalist approach to social work. Expands basic knowledge, values, ethics and skills, with emphasis on macro level problem solving. Includes theories and techniques needed for practice within an organizational and/or community context. **Prerequisite:** SOWK 400. **Corequisite:** SOWK 407 or 408. **Three hours per week.**

450. SOCIAL WORK WITH FAMILIES AND CHILDREN **3 hours credit**
Survey of child welfare services and examination of current policies in social work for children and their families. Consideration of practice issues in protective services, in-home services to families and substitute care including adoption and foster care. **Prerequisite:** SOWK 200 or consent of instructor. **Three hours per week.**

455. SUBSTANCE ABUSE: ISSUES AND SERVICES **3 hours credit**
Study of alcohol and drug abuse. Topics include theoretical perspectives on abuse, pharmacological characteristics of commonly abused substances, and stages of dependence and addiction. Overview of societal response to substance abuse including law enforcement, treatment, rehabilitation and prevention. **Prerequisite:** SOWK 300 or consent of instructor. **Three hours per week.**

460. SOCIAL WORK IN CORRECTIONS **3 hours credit**
Social work interventions in a variety of correctional settings. Focuses on professional role in court and correctional procedures within institutional and community-based programs. **Prerequisite:** SOWK 200 or consent of instructor. **Three hours per week.**

465. SOCIAL WORK IN HEALTH CARE **3 hours credit**
Explores the role of social work practice in various health care settings. Emphasis on the changing concepts of health and illness. Evaluates the nature of health care organizations, funding mechanisms and ethical dilemmas in social work health care. **Prerequisite:** SOWK 300 or consent of instructor. **Three hours per week.**

470. SOCIAL WORK IN MENTAL HEALTH **3 hours credit**
Investigates the role of the social work profession within the mental health delivery system utilizing a generalist social work approach. Social work and mental health concepts, policies, research methods and program development examined in social service agencies, community mental health facilities and institutional accommodations. **Prerequisite:** SOWK 300 or consent of instructor. **Three hours per week.**

475. SOCIAL WORK WITH PERSONS WHO HAVE DISABILITIES **3 hours credit**
Overview of physical, social and emotional implications of disabilities within the context of generalist social work practice. Topics include sensitivity to discrimination in society, laws and services available, and personal and family adjustment to disability. **Prerequisite:** SOWK 200. **Three hours per week.**

484. SOCIAL WORK AND THE LAW **3 hours credit**
Study of social welfare, family, consumer law and the legal authority of social agencies to make regulations. Guidelines for court testimony and rules of evidence presented. **Prerequisite:** SOWK 200 or consent of instructor. **Three hours per week.**

490. INDIVIDUAL DIRECTED STUDY **1-3 hours credit**
Enables advanced students to pursue topics of their own choosing with the guidance and supervision of the faculty. Should not duplicate any course already offered by the department. **Prerequisite:** Senior standing.

499. SPECIAL TOPICS **1-3 hours credit**
Provides opportunities for investigating special themes or issues of interest to students and the social work profession. May be repeated once under a different subtitle. **Prerequisite:** SOWK 200 or consent of instructor. **Three hours per week.**

Sociology (SOCI)

101. INTRODUCTION TO SOCIOLOGY **3 hours credit**
Identification and analysis of basic concepts of sociology; study of interrelatedness of structures, systems and institutions, and of the social processes by which society evolves. **Three hours per week.**

201. SOCIAL PROBLEMS **3 hours credit**
Analysis of selected social problems in contemporary society. Emphasis on sociological understanding of the processes by which social problems are defined.

216. SOCIOLOGY OF GENDER **3 hours credit**
Study of the social positions and expectations assigned to people on the basis of gender. Stresses the central place of gender roles in social organization and considers the implications of any major role changes. **Three hours per week.**

225. SOCIOLOGY OF CONFLICT AND NONVIOLENCE **3 hours credit**
Seeks answers to questions about why humans use violence to resolve conflict and what social forces produce conflict in the family, ethnic and racial groups, economic groups and nation states. Explores nature and practice of non-violent conflict resolution. **Three hours per week.**

301. STUDIES IN SOCIOLOGY **3 hours credit**
Selected areas in varied subfields of sociology. May be repeated under different subtitles. **Three hours per week.**

304. SOCIAL INEQUALITY **3 hours credit**
Analysis of the variety of class and rank structures found in both past and contemporary societies. Special attention focused on the determinants of social class as well as the related issues of social mobility and changes in class position of both individuals and groups. Additional emphasis on identifying both attitudinal and behavioral consequences of class position. **Three hours per week.**

305. SOCIOLOGY OF LAW **3 hours credit**
Study of formal legal statements as communications both reflecting and influencing life in society. Selected examples of the conflict between legality and social reality, with attention to both substantive and procedural issues of law; consideration of possible solutions. **Three hours per week.**

309. RESEARCH I, SOCIAL RESEARCH METHODS **3 hours credit**
Introduction to social science research methods. Emphasis on research design, including formulation of questions, conceptualization, measurement, sampling and involvement in practical research activity. **Three hours per week.**

310. RESEARCH II, STATISTICAL METHODS **3 hours credit**
Advanced training in social science research methods. Emphasis on data analysis, including organization of data for computer processing, hypothesis testing and simple causal modeling. **Three one-hour lectures, one two-hour laboratory per week.**

313. CRIMINOLOGY AND PENOLOGY **3 hours credit**
Consideration of crime and delinquency as forms of deviant behavior; examination of social causes, social reactions and applicable sociological theories.

315. URBAN SOCIOLOGY **3 hours credit**
Study of the origin, character and significance of urban communities. Analyzes the ecology and social organizations of cities, the phenomenon of urban and metropolitan development, and the resulting lifestyles, problems and trends. **Three hours per week.**

316. THE FAMILY **3 hours credit**
Consideration of the family as a socially recognized intimate group with a significant place in the life of the individual and society. Emphasis on the impact of changing social conditions on sexuality, love, marriage, parenthood, childhood and other dimensions of intimate relationships. **Three hours per week.**

318. SOCIOLOGY OF RELIGION **3 hours credit**
Examination of humanity's quest for religious meaning as a social activity with social consequences. Considers the place of religion in different kinds of societies, past, present and future. **Three hours per week.**

319. SOCIAL CHANGE AND SOCIAL PLANNING **3 hours credit**
Explores why whole societies like the United States change. Compares contemporary industrial and developing countries by critically examining classical and current theories of socio-cultural change. Considers strategies for purposive changing of a society. **Three hours per week.**

320. SOCIAL MOVEMENTS **3 hours credit**
In-depth study of contemporary social movements, such as the Black Muslims, Gay Liberation, the Women's Movement, the aged, youth and radical right.

322. POPULATION STUDIES **3 hours credit**
Introduction to social demography. Topics include world and U.S. population trends, components of demographic change (fertility, mortality, migration), population policy and demographic aspects of contemporary social issues.

324. COMMUNITY SOCIOLOGY **3 hours credit**
Investigation of communities as social systems emphasizing current directions in community research. **Three hours per week.**

326. SOCIAL INTERACTION **3 hours credit**
Study of human behavior as social interaction. Emphasis on symbolic communication and its relationship to the concept of self.

329. MEDICAL SOCIOLOGY **3 hours credit**
Study of social factors involved in health and illness emphasizing the institution of medicine in American society. **Three hours per week.**

330. DEATH, DISEASE AND SOCIETY **3 hours credit**
Analysis of changing patterns of causation and distribution of death and disease. Major emphasis given to the study of suicide and homicide. **Three hours per week.**

331. RACIAL AND CULTURAL MINORITIES **3 hours credit**
Study of ethnic differences that produce prejudice, stereotypes and discrimination and of the social processes employed by dominant and minority groups. **Three hours per week.**

334. SOCIOLOGY OF MENTAL HEALTH **3 hours credit**
Study of socio-cultural factors in mental health and illness emphasizing social causation and patterns of distribution. **Three hours per week.**

335. SYSTEMS OF HEALTH CARE DELIVERY **3 hours credit**
Analysis of the institution of health care and its delivery. Major emphasis on the diversity of organization in this institution in differing social systems. **Three hours per week.**

344. COMPLEX ORGANIZATIONS **3 hours credit**
Analysis of the emergence of modern bureaucratic structure, emphasizing institutionalization, patterns of authority and impact on personality.

361. AGING AND SOCIETY **3 hours credit**
Examination of the aging process from the sociological perspective. Emphasis on the position of the elderly in contemporary society and on age-roles associated with stages in the process of aging such as childhood, adolescence, adulthood and old age.

390. SOCIOLOGY OF THE ENVIRONMENT **3 hours credit**
Examines the environment as a social product. Uses the sociological perspective to explain how environmental problems are structurally created. Focuses on mining and forestry to illustrate how environmental degradation, disease, death and disability are produced. **Three hours per week.**

401. SPECIAL TOPICS **3 hours credit**
Reserved for courses approved as experimental responses to student interest or community need. May be repeated once under a different subtitle.

409. SOCIOLOGY OF EDUCATION **3 hours credit**
Analysis of public education as a bureaucratic social institution, the countervailing community power structure and the professional role of the educator. **Three hours per week.**

416. INDIVIDUAL DIRECTED STUDY **3 hours credit**
Advanced study in an area of sociology. May be repeated once under a different subtitle. **Prerequisite:** Consent of instructor who will direct the study. **Three hours per week.**

421. THEORY I, FOUNDATIONS OF SOCIOLOGICAL THEORY **3 hours credit**
Analysis of the historical antecedents and contemporary profiles of sociological theory emphasizing major figures and dominant paradigms. **Prerequisite:** SOCI 101 or consent of instructor. **Three hours per week.**

422. THEORY II, CONTEMPORARY SOCIOLOGICAL THEORY **3 hours credit**
Analysis of the current state and future directions of sociological theory. **Prerequisite:** SOCI 101 or consent of instructor. **Three hours per week.**

431. SENIOR SEMINAR **3 hours credit**
Seminar experience for senior students with emphasis on social theory, problems and research. **Prerequisite:** Fifteen hours of sociology or consent of instructor. **Three hours per week.**

460. RESEARCH PRACTICUM **3 hours credit**
Applies social research methods to a specific research project which includes hypothesis formulation, research design, data collection and data analysis. **Prerequisite:** SOCI 309 or consent of instructor. **Three hours per week.**

495. INDEPENDENT STUDY FOR DEPARTMENT HONORS **3 hours credit**
Independent study undertaken for departmental honors at the invitation of the department. **Prerequisites:** Approval of chair, consent of instructor who will direct the study.

Spanish (SPAN)

101. ELEMENTARY SPANISH **3 hours credit**
Beginning spoken and written Spanish with emphasis on the sound system and the basic structures of the language. Satisfies General Education IB. **Three hours per week.**

102. ELEMENTARY SPANISH II **3 hours credit**
Continued skill development in spoken and written Spanish with further study of major structures. Satisfies General Education IB requirement. **Prerequisite:** SPAN 101 or at least one year of high school Spanish. **Three hours per week.**

105. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in SPAN 101. **Prerequisite:** Registration in SPAN 101 or permission of department chair. **Two hours per week.**

106. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in SPAN 102. **Prerequisite:** Registration in SPAN 102 or permission of department chair. **Two hours per week.**

201. INTERMEDIATE SPANISH **3 hours credit**
Continued development and refinement of language skills with emphasis on reading, writing and vocabulary development. Satisfies General Education IB requirement. **Prerequisite:** SPAN 102 or at least two years of high school Spanish. **Three hours per week.**

202. INTERMEDIATE AND APPLIED SPANISH **3 hours credit**
Refinement and application of language skills by exploring diverse forms of expression in Spanish. Satisfies the language requirement for English majors and General Education IB. **Prerequisite:** SPAN 201 or at least three years of high school Spanish. **Three hours per week.**

205. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in SPAN 201. **Prerequisite:** Registration in SPAN 201 or permission of department chair. **Two hours per week.**

206. OPTIONAL PRACTICUM CREDIT **1 hour credit**
Optional credit for supplementary oral and written exercise in the language laboratory or in workshop sessions to complement the work in SPAN 202. **Prerequisite:** Registration in SPAN 202 or permission of department chair. **Two hours per week.**

300. TOPICS IN SPANISH **3 hours credit**
Study of an author, period, movement, genre or theme. Topic varies semester to semester. May be repeated once with new content. **Prerequisite:** SPAN 310 or permission of department chair. **Three hours per week.**

303. READING SKILLS AND STRATEGIES IN SPANISH **3 hours credit**
Development of reading skills and strategies using authentic texts. Emphasis on reading for specific purposes and continued acquisition of vocabulary. **Prerequisite:** SPAN 202. **Three hours per week.**

310. ORAL AND WRITTEN COMPOSITION **3 hours credit**
Develops facility to sustain oral and written discussion in Spanish. Students practice the basic patterns of Spanish syntax and develop vocabulary by preparing frequent oral and written compositions. **Prerequisite:** SPAN 202 or equivalent experience. **Three hours per week.**

312. CONVERSATION **3 hours credit**
Develops confidence and correctness in spoken Spanish through practice in conversation, reports and discussions. **Prerequisite:** SPAN 202 or equivalent experience. **Three hours per week.**

315. ELEMENTS OF SPANISH CULTURE **3 hours credit**
Study of the dominant cultural patterns in Spanish life including the themes of religion, family relationships and festivals and the dilemmas of work-leisure, sports-cruelty and honor-death through prose, drama and other selected material. **Prerequisite:** SPAN 303 or equivalent experience. **Three hours per week.**

316. ELEMENTS OF LATIN AMERICAN CULTURE **3 hours credit**
Study of key cultural patterns with particular attention to the results of the transplantation to the New World. The major vehicle of examination is the written word in prose, drama and other selected materials. **Prerequisite:** SPAN 303 or equivalent experience. **Three hours per week.**

325. HISPANIC CULTURE THROUGH LITERATURE **3 hours credit**
Introduction to the principle of literature as a cultural document and to 20th-century texts for studying genres and linking literature to its cultural contexts, creating an understanding and appreciation for students who wish to become more bi-cultural. **Prerequisites:** SPAN 303, 310. **Three hours per week.**

350. THE REBEL IN SPANISH LITERATURE **3 hours credit**
Survey of the classics from the Middle Ages, the Renaissance and the Golden Age. Required for majors; open to non-majors. Taught in English. **Prerequisite:** ENGL 102 or consent of department chair. **Three hours per week.**

351. THE SPLINTERED IMAGE: THE INDIVIDUAL AND SOCIETY IN 20TH CENTURY SPANISH AND LATIN AMERICAN LITERATURE **3 hours credit**
Study of ways contemporary Spanish and Latin American authors struggle to express themselves relative to crises in contemporary Western culture. Taught in English. **Prerequisite:** ENGL 102 or consent of department chair. **Three hours per week.**

401. ADVANCED SPANISH GRAMMAR AND COMPOSITION **3 hours credit**
Concentrated drill on Spanish syntax and idiomatic usage combined with translation from English to Spanish and the writing of themes in Spanish. **Prerequisite:** SPAN 310 or consent of department chair. **Three hours per week.**

402. ADVANCED CONVERSATION **3 hours credit**
Development of greater flexibility in the spoken language and increased listening comprehension through intense oral/aural practice; strong emphasis on vocabulary acquisition. **Prerequisite:** SPAN 312 or consent of department chair. **Three hours per week.**

405. SPECIAL PROBLEMS ON SPANISH **1-6 hours credit**
Individual study of special areas in Spanish linguistics such as phonetics and diction, the history and evolution of the language, or in Spanish and Latin American literature with advice and direction from a member of the department. May be repeated with new content. **Prerequisite:** Consent of department chair.

480. SENIOR SEMINAR **1-3 hours credit**
For senior Spanish majors. Research encompassing several areas of Spanish life and culture, language and literature is brought to bear upon a single theme or issue. **Prerequisite:** Senior standing.

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Appendices

Appendix A

Students may locate the following policies in their respective publications by referring to the table of contents/index.

Policies that Appear in the *Academic Schedule* Bulletins:

- Catalogue Supplement (contains updates to policies and procedures found in the *University Catalogue*)
- Final Examinations Policies
- Late Registration
- Pass/No Credit—Pass/Fail
- Removal of Incompletes
- Withdrawals

Policies that Appear in *Code of Maryland Regulations*:

- Maryland Higher Education Commission Student Transfer Policy

Policies that Appear in the *Drug-Free Campus, Drug-Free Workplace Brochure*:

- Alcohol Abuse Policy
- Drug Abuse Policy
- Policy on a Drug-Free Workplace
- State of Maryland Substance Abuse Policy

Policies that Appear in the *Faculty Handbook*:

- Academic Advising
- Academic Clemency
- Academic Integrity
- Affirmative Action and Equal Opportunity
- AIDS
- Alleged Arbitrary and Capricious Grading
- Classification of Undergraduate Students
- Classroom and Related Responsibilities of Faculty
- Combined Bachelor's/Master's Programs
- Community Service
- Confidentiality and Disclosure of Student Records
- Continuing Education
- Degree and Curricular Requirements
- Eligibility to Register
- Evaluation of Performance of Faculty
- Examination and Portfolio Assessment
- Misconduct/Scholarly Work
- Scheduling Academic Assignments on Religious Observances
- Sexual Harassment
- Student Request for Waivers of Academic Policies
- Summer and Special Sessions
- Undergraduate Student Concurrent Inter-Institutional Registration
- Use of Facilities for Public Meetings
- Violence and Extremism

Policies that Appear in the *Procedures, Policies and Services* Brochure:

- Building Access Control
- Campus Police Officers' Authority
- Campus Security
- Drug and Alcohol
- Off-Campus Behavior

Policies that Appear in the *Residence Hall Information* Booklet:

- Access to Residence Halls
- Alcohol
- Common Area Damages
- Damage
- Drugs
- Electrical Appliances
- Eligibility for Residence
- Facility Policies
- Facility Repair Service
- Fire Drills
- First-Time Residents
- Handicap Accommodations
- Identification Card
- Maintenance Concerns
- New or Returning Students Seeking to Terminate Contracts
- Noise
- Petition for Release from Contract for Spring Semester
- Random Room Selection Process
- Rates and Refunds
- Refrigerators
- Reservation Procedures for Returning Students
- Residence Keys
- Room Furnishings
- Room Services
- Room Changes
- Room Inspections
- Room Check-in
- Room Check-out
- Room Sign-up for Chesapeake Hall
- Safety
- Security
- Smoking Policy
- Tack Strips
- Telephones
- Termination by University
- Toilet Stoppages
- Use of Residence Halls by Guests

Vacations
Window Displays
Winter Term and Summer Session Housing

Policies that Appear in the *Residence Halls Contract*:

Access to Rooms
Alcohol Policy
Breach of Contract
Condition/Disability Influencing Assignment
Conditions of Residency
Damage Assessment
Drugs
Duration of Contract
Electrical Appliances
Eligibility for Residency
Loss of Property
New or Returning Students Seeking to Terminate Contracts
Noise
Petition for Release from Contract for Spring Semester
Rates and Refunds
Residents' Responsibilities
Room Changes
Safety
Search of Rooms
Security
Smoking Policy
Termination by University
University Responsibility
Use of Residence Halls by Guests

Policies that Appear in the *Student-Athlete Handbook*:

Athlete Eligibility
Athletics Equipment
Class Attendance
Code of Conduct
Deficit Points System
Dress Code
Drug and Alcohol Policy
Medical Procedures
Transfer Policy

Policies that Appear in the *Student Handbook*:

Academic Policies and Procedures
Alcohol and Other Drug Policy
Becoming a Recognized Club or Organization
Closing Due to Inclement Weather
Code of Conduct
Equal Opportunity Policy
Events Open to the University Community
Grievance Policy
Judicial System Policies and Procedures
Living on Campus Policies and Guidelines
Random Room Selection Process
Reporting Sexual Offenses
Sexual Harassment
Smoking Policy
Student Academic Integrity
Use of Facilities/Grounds for Meetings, Assemblies, Rallies, etc.

Policies that Appear in the *University Catalogue*:

Academic Clemency Policy
Academic Misconduct
Admission Policies
  For High School Graduates
  For Early Admissions
  For Non-High School Graduates
  For International Students
  For Immigrant Students
  For Veterans
  For Transfer Students
  For Former SSU Students
Class Attendance
Equal Opportunity Policy
Family Educational Rights and Privacy Act
Graduate Requirements
Maryland Admissions Requirements
Maryland Higher Education Commission Student Transfer Policies
Non-Traditional Credit Policies
Proposed Refund Policy
Readmission
Student Residency Classification for Admission, Tuition and Charge Differential Purposes
Transfer of Credit from Other Institutions
Waivers of Academic Policies and Procedures
Withdrawal from the University

Policies that Appear in the *University of Maryland Systems Policies*:

Academic Advising
Academic Calendar
Academic Clemency
Academic Transcripts and Financial Aid Records
Acts of Violence and Extremism
Admissions
Affirmative Action and Equal Opportunity
AIDS
Classification of Undergraduate Students
Combined Bachelor's and Master's Programs
Community Service
Confidentiality and Disclosure of Student Records
Constitution of the University System Student Council
Continuing Education
Copyrights
Credit by Examination and Portfolio Assessment
Curricular and Degree Requirements
Eligibility to Register
Emergency Conditions—Cancellation of Classes and Release of Employees
Enrollment
Establishment of Institutional Traffic Regulations
Faculty, Student and Institutional Rights and Responsibilities for Academic Integrity
Misconduct in Scholarly Work
Payment of Tuition and Fees
Reporting of Campus Crime Statistics
Reports of Intercollegiate Athletics
Review of Alleged Arbitrary and Capricious Grading
Scheduling of Academic Assignments on Dates of Religious Observance
Sexual Harassment—Interim Policy

Sexual Harassment—University of Maryland System Policy
Student Affairs
Student Athletics
Student Employment
Student Financial Aid
Student Housing
Student Publications
Student Residency Classification for Admission, Tuition and Charge Differential Purposes
Summer and Special Sessions
Tuition, Fees and Charges
Tuition Remission for Spouses and Dependent Children of Faculty and Staff
Undergraduate Student Concurrent Inter-Institutional Registration
University System Student Council Policy
Use of Alcohol Beverages at University System Institutions and Facilities
Waiver of Application Fees
Waiver of Tuition and Granting of Other Privileges for Senior Citizens of the State of Maryland
Waiver of Tuition for Meritorious Undergraduate Students

Appendix B

Maryland Admissions Requirements

1. The Maryland Higher Education Commission set as a minimum admission standard for all full-time and part-time entering freshmen who have graduated from high school within five years of admission a high school average of C (2.0) or better. Each institution, however, is encouraged to adopt standards above the minimum level.
2. Each institution will develop predictive measures of probable academic success and identify any additional admissions criteria.
3. Students who have earned fewer than 25 credit hours and desire to transfer to state universities and colleges will be admitted under the conditions set down in accordance with the Maryland Student Transfer Policies, which require equal treatment of native and transfer students.
4. In order to attain junior status (60 credit hours), a student must have earned a grade point average of C (2.0) or better.
   a. In order to ensure equal treatment of the native and transfer student, a transfer student who has earned 60 or more credits at prior institutions must have attained a C (2.0) cumulative average to be accepted at any state university/college.
5. Admission to some designated programs may require higher standards to be limited by the opportunities available to complete a clinical or other requirement of the major program.
   a. The institutional standards shall be approved by the Maryland Higher Education Commission and shall be reviewed by the commission on an annual basis.
   b. Such standards shall be published in the institution's catalogue.

Policy on Student Residency Classification for Admission, Tuition and Charge Differential Purposes

I. POLICY

It is the policy of the Board of Regents of the University of Maryland System to recognize the categories of in-state and out-of-state students for purposes of admission, tuition and charge differentials at those institutions where such differentiation has been established. The student is responsible for providing the information necessary to establish eligibility for in-state status.

A. Students who are financially independent or financially dependent, as hereinafter defined, shall have their residency classification determined on the basis of permanent residence. For purposes of this policy, a permanent residence is a person's permanent place of abode as determined by the following criteria. Such students will be assigned in-state status for admission, tuition and charge differential purposes only if the student (if financially independent) or the student's parent, guardian or spouse (in the case of a financially dependent student):
   1. owns or rents and occupies living quarters in Maryland. There must exist a genuine deed or lease in the individual's name reflecting payments/rents and terms typical of those in the community at the time executed. Students who do not have a lease of this type may submit an affidavit reflecting payments/rents and terms as well as the name and address of the person to whom payments are made as a consideration for meeting this condition. As an alternative to ownership or rental of living quarters in Maryland, a student may share living quarters in Maryland which are owned or rented and occupied by a parent, legal guardian or spouse;
   2. maintains within Maryland substantially all personal property;
   3. pays Maryland income taxes on all earned taxable income including all taxable income earned outside the state;
   4. registers all owned motor vehicles in Maryland in accordance with Maryland law;
   5. possesses a valid Maryland driver's license, if licensed, in accordance with Maryland law;
   6. is registered in Maryland, if registered to vote;
   7. receives no public assistance from a state other than the state of Maryland or from a city, county or municipal agency other than one in Maryland; and
   8. has a legal ability under federal and Maryland law to reside permanently without interruption in Maryland.

B. In addition to meeting all of the criteria set forth in the preceding section, to qualify for in-state status on the basis of permanent residence, a student or, if the student if financially dependent, the parent, legal guardian or spouse, must have resided in Maryland for at least twelve (12) consecutive months immediately prior to and including the last date available for late registration for the forthcoming semester or session and must have continuously resided in Maryland during that period.

C. If a student is financially dependent, as hereinafter defined, the permanent residence of the parent,

guardian or spouse on whom the individual is dependent shall determine in-state status. If a student is financially independent, the permanent residence of the student shall determine in-state status.

D. In-state status based on permanent residence is lost at any time a financially independent student establishes a permanent residence outside the state of Maryland. If the parent, guardian or spouse through whom a financially dependent student has attained in-state status establishes a permanent residence outside the state of Maryland, the in-state status is lost. In each instance, the student will then be assessed out-of-state tuition and charges beginning the next semester or session.

E. In addition, the following categories of students shall have in-state status:
   1. a full-time or part-time (at least 50 percent time) permanent employee of the University of Maryland System;
   2. the spouse or dependent child of a full-time or part-time (at least 50 percent time) permanent employee of the University of Maryland System;
   3. a full-time active member of the Armed Forces of the United States whose home of residency is Maryland or one who resides or is stationed in Maryland, or the spouse or a financially dependent child of such a person; and
   4. a graduate assistant.

F. Students not entitled to in-state status under the preceding paragraphs shall be assigned out-of-state status for admission, tuition and charge differential purposes.

II. PROCEDURES

A. The date on which conditions for in-state classification must be met is the last published date to register for the forthcoming semester or session. In those instances where an entering class size is established and where an application deadline is stated, institutions may require that conditions for in-state classification be satisfied as of the announced closing application date.

B. A change in status must be requested in writing by a student prior to the last published date of registration in order to be effective for that semester or session. A student applying for a change to in-state status must furnish appropriate documentation as required by the institution.

C. The student must notify the institution in writing within fifteen (15) days of any change of circumstances which may alter in-state status.

D. In the event incomplete, false or misleading information is presented, the institution may, at its discretion, revoke an assignment of in-state status in addition to other disciplinary actions provided for by the institution's policy.

E. Each institution of the University of Maryland System shall develop and publish additional procedures to implement this policy. Procedures shall provide that on request the president or designee has the authority to waive any residency requirement as set forth in IA and IB, if it is determined that the student is indeed a permanent resident and application of the criteria creates an unjust result. Such procedures must provide for appeal to the president or designee of any residency determination using a system-wide petition form (Appendix A). These procedures shall be filed with the office of the chancellor.

III. DEFINITIONS

A. Financially Dependent: For purposes of this policy, a financially dependent student is one who is claimed as a dependent for tax purposes, or who receives more than one-half of his or her support from a parent, legal guardian or spouse during the 12-month period immediately prior to the last published date for registration for the semester or session. If a student receives more than one-half of his or her support in the aggregate from a parent and/or legal guardian and/or spouse, the student shall be considered financially dependent on the person providing the greater amount of support.

B. Financially Independent: A financially independent student is one who declares to be financially independent as defined herein; does not appear as a dependent on the federal or state income tax returns of any other person; receives less than one-half of his or self support from another person; and demonstrates that he or she provides, through self-support, one-half or more of his or her total expenses.

C. Parent: A parent may be a natural parent or, if established by a court order recognized under the law or the State of Maryland, an adoptive parent.

D. Guardian: A guardian is a person so appointed by a court order recognized under the law of the State of Maryland.

E. Spouse: A spouse is a partner in a legally contracted marriage.

F. Support:
   1. Except as set forth in (2) below, support shall mean financial or material support, including gifts, services, and trusts, income or benefits derived from one's family.
   2. Support shall not include grants, stipends, awards and benefits (including federal and state student aid, grants and loans) received for the purpose of education or by virtue of an individual's status or prospective status as a student. Such resources shall not be considered in calculating a student's financial dependence or independence.

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